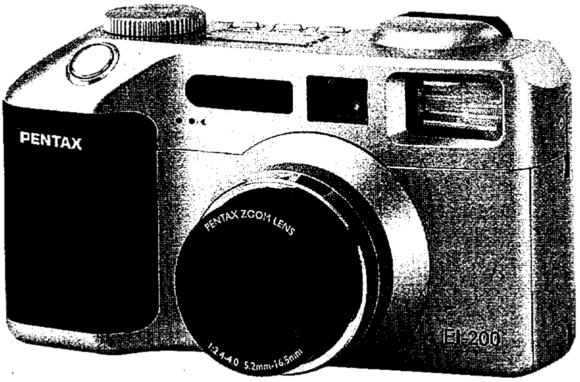
PENTAX™

EI-200

OPERATING MANUAL



Digita™

In The Beginning

Thank you very much for buying the Pentax EI-200 digital camera. Please read this document before use in order to make the most of this product's functions and keep it safe after reading. This document will prove very useful if you do not understand how to use the camera or wish to know more about the functions.

Regarding copyrights

Images taken using the EI-200 that are for anything other than personal enjoyment cannot be used without permission according to the rights as specified in the Copyright Act. Please take care, as there are even cases where limitations are placed on taking pictures even for personal enjoyment during demonstrations, industrial enterprise or as items for display. Images taken with the purpose of obtaining copyrights also cannot be used outside the scope of use of the copyright as laid out in the Copyright Act, and care should be taken here also.

Regarding trademarks

- HP, HP Imaging Technology, HP JetSend and Hewlett-Packard are trademarks of Hewlett-PackardCompany.
- FlashPoint, Digita, Digita Desktop, Digita·Digita Desktop and Digita Script are trademarks of FlashPoint Technology, Inc..
- Adobe and Adobe Photoshop are trademarks of Adobe Systems Incorporated.
- CompactFlash and CF are trademarks of SanDisk Corporation.
- All other brands or product names are trademarks or registered trademarks of their respective companies.

- There is a possibility that recorded data may be erased or that the camera may not function correctly when used in surroundings such as installations generating strong electromagnetic radiation or magnetic fields.
- The liquid crystal panel used in the LCD display is manufactured using extremely high precision technology. Although the level of functioning pixels is 99.99% or better, you should be aware that 0.01% of fewer of the pixels may not illuminate or may illuminate when they should not. However, this has no effect on the recorded image.
  The camera may not operate correctly in locations where strong electrical or magnetic fields are present.

FOR SAFE USE OF YOUR CAMERA

Sufficient attention has been paid to the safety of this product but please pay particular attention to the warnings indicated by the following symbols during use.

⚠Warning These symbols indicate that it is possible that the user may experience serious difficulties if the warnings are not heeded.

⚠Caution These symbols indicate that it is possible that the user may experience minor or middling difficulties or physical difficulties if the warnings are not heeded.

⃠ is a symbol indicating items that are prohibited.

⚠ is a symbol emphasizing a warning.

⚠Warning

- ⃠ Do not attempt to take the camera apart or remodel the camera. High voltages are present within the camera, and there is therefore a danger of electric shocks.
- ⃠ If the inside of the camera should become exposed as a result of, for example, the camera being dropped, please do not under any circumstances touch such exposed portions, as there is a danger of receiving an electric shock.
- ⃠ Wrapping the strap of the camera around your neck is also dangerous, and please take care that small children do not hang the strap around their necks.
- ⃠ Use an AC adapter that is of the power and voltage specified for exclusive use with this product. The use of an AC adapter other than that specified exclusively for use with this product may cause fire or electric shocks.
- ⃠ Stop using the product if the AC adapter emits noise during use, as there is a danger of receiving an electric shock.

⚠Caution

- ⃠ Do not attempt to touch the product, should the product catch fire due to a battery short, etc, and do not attempt to disassemble or charge the battery at such times, as there is a danger of the product bursting into flames.
- ⃠ On the other hand, should the camera battery explode or start smoking, extract the battery as soon as possible, taking great care not to get burnt at such times.
- ⃠ Some portions of the camera heat up during use, so please take care, as there is a risk of low temperature burns if such portions are held for long periods of time.

Care to be taken during handling

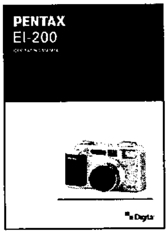
- Do not clean the product with organic solvents such as thinner or alcohol benzine.
- Places of high temperature and humidity should be avoided. Particular care should be taken regarding vehicles, which can become very hot inside.
- Do not store the camera where pesticides and chemicals are handled should be avoided. Remove from case and store in a well-ventilated place to prevent the camera from becoming moldy during storage.
- Do not use the camera where it may come in contact with rain, water, or any other liquid, because the camera is not weather, water, or liquid resistant. Should the camera get wet from rain, splashing water, or any other liquid wipe it off immediately with a dry soft cloth.
- Ensure that the camera is not subjected to substantial vibrational shocks or pressure. Place the camera on a cushion for protection when the camera is subjected to the vibrations of a motorbike, car, or ship, etc.
- The liquid crystal display will become black at temperatures of approximately 60°c but will return to normal when normal temperatures are returned to.
- The display response speed of the liquid crystal becomes slow at low temperatures but this is due to the characteristic of the liquid crystal and is not a fault.
- Remove dust from the lens viewfinder using a blower or clean off dust using a lens brush.
- Periodic checks are recommended every 1 to 2 years in order to maintain high-performance.
- When the camera has not been used for a long time, please, without fail, try out the camera to confirm that it is still working properly, particularly prior to taking important pictures (such as at a wedding or during travelling). No guarantee can be given with regards to collateral damage (costs incurred as a result of taking pictures, loss of benefits that were to be obtained through taking pictures) that may cause this product to fail.
- If the camera is subjected to rapid temperature changes, drops of water appear on the inside and outside of the camera. Therefore put the camera in a bag or plastic bag, and take the camera out when the difference in temperature has subsided.
- The temperature range in which the camera can be used is 0°c to 40°c.
- Take care to ensure that garbage, dirt, sand, dust, water, toxic gases, salt, etc. do not enter within the camera, as this may cause the camera to become damaged. If rain or drops of water get onto the camera, please wipe dry.
- When the batteries are changed as a result of liquid being spilled, etc., batteries of the same make and of the same type should be used, and care should be taken not to mix up the new batteries and the old batteries.

How to use this operating manual.

Setup guide

This is a description of the simplest way of taking pictures after preparing the camera.

Operating manual



The operating manual, which is organized in the following manner.

Basic operation.

This is a description functions for general use.

- Taking pictures . . . This is a description of the basic operation when taking one picture at a time from the point of view of the display panel.
- Representing pictures that have been taken . . . this is a description of the method of operation from the point of view of taking pictures.
- Deleting unrequired pictures . . . this describes a method of lining up the pictures for checking and deleting unrequired pictures.
- How to take good pictures . . . This is a description of useful functions for making full use of the functions of this camera in line with conditions for taking pictures and the circumstances in which the camera is used.

Step-up Operation

This is a detailed description of how to use each function in order to make full use of the functions of this camera.

- Capture Mode . . . preferences (recording method, exposure and ISO speed, and camera preferences etc.) for continuous shooting, timelapse shooting, audio recording, date and text stamping, and other types of preferences.
- Presentation Mode . . . Slideshow (continuous displaying), slideshow preferences.
- Review Mode . . . Deletion, classification and retrieval of pictures.
- Use with other equipment . . . Direct printing to printers, displaying on a television, connection with personal computers.

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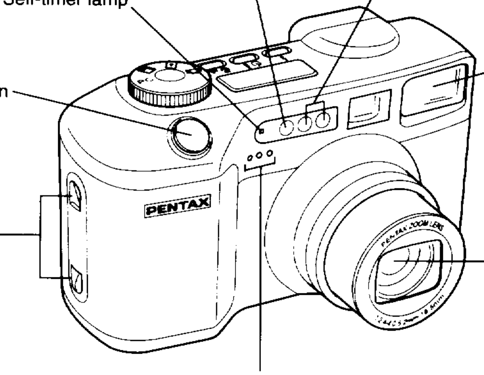
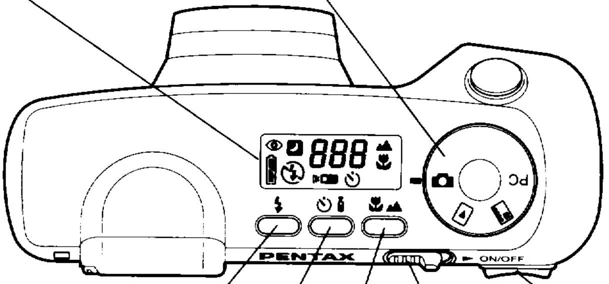
Part Names



Mode dial

Capture Mode	....	pictures are taken
Presentation Mode	...	captured sound and pictures are presented one at a time or presented as a slideshow, either on a camera or by connection with a television. ☞ p.20, 81
Review Mode	......	pictures saved to the memory card can be displayed next to each other. Pictures that are no longer required can then be deleted, or pictures can be grouped together. ☞ p.17, 45
PC PC Connect Mode	..	editing can be carried out by connecting with a personal computer. ☞ p.125

LCD panel
The LCD panel shows the remaining battery power, the flash preferences, the number of images that may be taken, and the macro/infinity preferences.



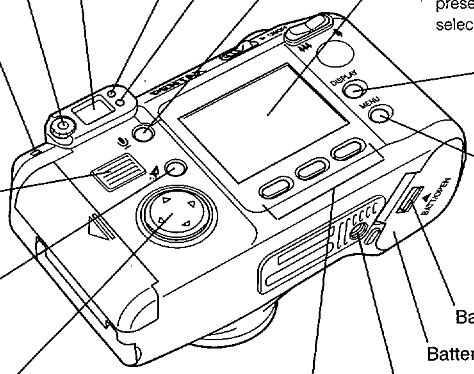
Flash mode button
This is pressed when setting flash mode such as red-eye reduction and slow speed shutter mode, or whether or not to use the flash. ☞ p.29

Timer button
Press this button to set the mode for taking pictures using the self timer or wireless remote control.
☞ p.30

Power switch

Zoom lever
☞ p.34

Macro/Infinity button
Press this button to take pictures using the macro(close range)/infinity mode.
☞ p.32



Card access lamp
The card access lamp blinks when data is saved to the memory card. Under no circumstances is the memory card to be removed while the card access lamp is blinking.

Green lamp
The green lamp lights when the camera is in focus with the shutter half-pressed.

Red lamp
The red lamp lights when the flash is on, and blinks during charging.

Diopter adjustment dial
☞ p.37

Sound record button ☞ p.50, 94

Viewfinder

LCD monitor
The LCD monitor displays photographed subjects, displays pictures taken using the presentation or editing functions, and displays select/preferences using the menu.

Display button
This is pressed when taking pictures while displaying the subject on an LCD monitor.

Menu button
When the menu button is pressed using the capture or presentation functions, a menu of the preferences possible for each function is displayed.

Speaker

Transmit button
☞ p.xx

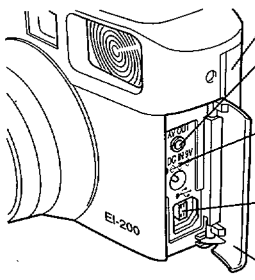
Battery chamber cover release lever

Battery chamber cover

Tripod socket

Four-way Controller
The four-way controller is for selecting functions from the menu, and changing over the pictures displayed using the playback or editing functions.

Left Soft Key/Middle Soft Key/Right Soft Key
These keys are pressed when selecting the soft key displayed at the lower part of the LCD monitor.



CF card cover

AV output terminal
Captured pictures and sound can be presented on a television etc. by connecting the camera to a video terminal of a television etc. using a video cable. ☞ p.20

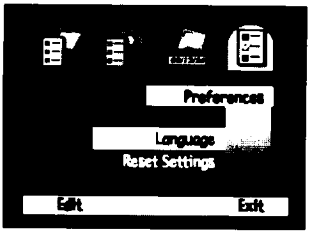
DC input terminal
Power can be supplied from an AC power supply by connecting with an AC adapter (sold separately).

USB connector
Pictures that have been taken can be transmitted to a personal computer by connecting the camera to a personal computer using a USB cable. ☞ p.126

Side cover

Specifying the language displayed - Language

Please read this page with regards to displaying languages other than English.



1 Displaying the language screen

① Turn on the power to set the mode dial to the capture mode mark.

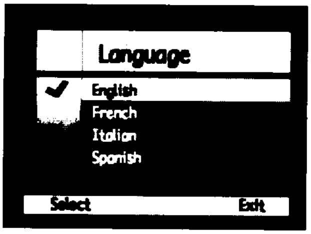
② Press the menu button to display the [Capture Settings] menu.

③ Press the right key on the four-way controller three times to display the [Preferences] menu.

④ Press the down arrow on the four-way controller seven times to highlight the [Language] menu.

⑤ Press the left soft key to select the soft menu [Edit].

The [Language] screen appears on the display.



2 Setting the language

① Press the down arrow on the four-way controller to highlight the language to be set.

[English]... A menu or message is displayed in English.

② Pressing the left soft key to select the soft menu [Select] will return the system to the [Preferences] menu.

A menu or message is displayed in the language set.

③ Press the right soft key to select the soft menu [Exit].

Basics

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- The timer button for taking pictures using the self-timer or the remote control
- The macro/infinity button for adjusting focussing range
- Adjusting the viewfinder

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Outline of Basic Operation

This is a brief introduction of the contents described in the basic operation.
Please refer to the respective pages for more details of the operating methods.

Capture Mode

Taking pictures

Introduces the specific operations for functions that are particularly useful when taking pictures.

Basic operation when taking pictures. ☞ p.12

A description of how to get ready to take pictures and how to take pictures.

Taking good pictures.

Introduction of some functions that may be of some use when taking pictures.

- Flash preferences ☞ p.29

Red-eye can be reduced when the flash goes off and the backgrounds of people can be exposed properly when taking pictures at night.

- Adjusting the range of focus ☞ p.32

The range of focus can be adjusted when taking pictures by pressing the macro/infinity button.

◆Macro
This is set when taking close-ups of subjects such as flowers, and pictures can be taken at distances as close as 10cm to the subject.

◆Infinity
This is set when it is wished to take pictures of scenery etc. through glass or netting without focussing on the glass or netting.

- Taking pictures using the self-timer or remote control ☞ p.30

This is set when taking pictures of the whole family using a tripod using the timer or using the remote control unit accessory.

- Adjusting viewfinder visibility. ☞ p.37

The viewfinder visibility is adjusted with the diopter adjustment dial.

Setting Video Output Format. ☞ p.38

Select a video output format NTSC or PAL.

Review Mode

Checking pictures taken

Introduction of functions for editing pictures.

Displaying pictures on the LCD monitor. ☞ p.17

Displaying pictures saved to the memory card on the LCD monitor.

Deleting unnecessary pictures. ☞ p.18

Deleting of unnecessary pictures displayed on the LCD monitor.

Presentation Mode

Presenting pictures taken on a television

Pictures can be presented on a television screen for your enjoyment.

Connecting to a television. ☞ p.20

A description of how to connect the camera and a television.

Representing on a television. ☞ p.21

How to display pictures on a television is described.

Taking pictures

How to take pictures

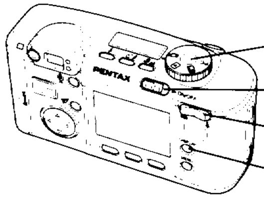
Pictures are taken by carrying out the following steps.

Get the camera ready

① Put the batteries in.
② Install the memory card.
(see setup guide for how to insert the memory card)
A memory card should be loaded or replaced in a power off state.

Turn on the power supply and select the capture function

① Move the power switch to the right to put on the power supply.
② Rotate the mode dial so as to line up the capture mode symbol [📷] with the black line.



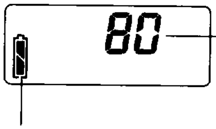
Reference

Please set up the date and time by referring to the set up guide when the date and time screen is displayed. Please read ☞ p.8 with regards to displaying languages other than English on the LCD monitor.

◆ Taking pictures while looking at the LCD monitor
When the display button is pressed, the subject is displayed on the LCD monitor. Please take care, however, as battery consumption is substantial when pictures are taken while displaying the subject on the LCD monitor. ☞ p.16

Confirming the LCD panel

① Confirm the LCD panel. When nothing is set, the LCD panel displays the battery symbol and the number of pictures that can be taken.



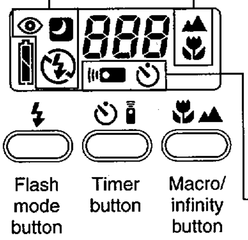
Exposure Counter
This displays the number of pictures that can be taken with the memory card that is installed

Battery Level
Displays the amount of power remaining for the battery
Regarding the displaying of remaining power. ☞ p.22

Please Note! LCD panel and Preferences

When symbols other than the battery symbol and the symbol indicating the number of pictures that can be taken are displayed at the LCD panel, the flash mode button, timer button, or macro/infinity button is pressed.

Display area for flash preferences
The flash preferences are displayed. When nothing is displayed, the flash fires as necessary. When the flash mode button is pressed, the presence of the flash or red-eye reduction, etc. can be set. ☞ p.29

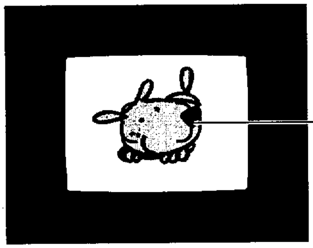


Macro/Infinity preferences display area
This shows how the focussing range is set. When nothing is displayed, pictures are taken using the autofocus. When the macro/infinity button is pressed, pictures can be taken with the focus at macro (taking pictures close up) or infinity. ☞ p.32

Display area for timer preferences
This displays the states of the timer preferences. The timer button can change over between a self-timer and a remote control operation. ☞ p.30

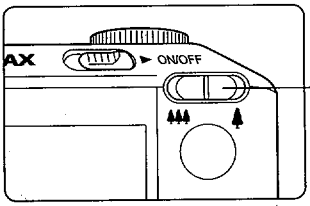
Viewing a subject with the viewfinder

①Look through the viewfinder so that the subject can be seen in the viewfinder.
The AF frame [ ] at the center of the viewfinder is the range where the subject is focussed automatically. Please place the subject to be focussed on the AF frame [ ].



Please put the portion to be focussed on the AF frame.

When you move the zoom lever to the right, the lens moves towards the telephoto setting and frames the subject more closely. When you move the zoom lever to the left, the lens moves towards the wide-angle setting.



Zoom lever

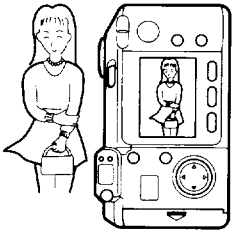
Reference

It is possible to change the focus range to the telephoto setting and the wide-angle setting with the zoom lever. This camera has a digital zoom function, so it is also possible to expand the magnification range of pictures to 1.2 x, 1.5 x, or 2 x when you are shooting a subject through the LCD monitor.

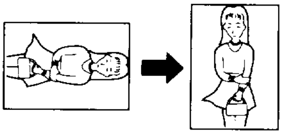
Please Note! **Regarding the automatic picture orientation detecting and switching function.**

The automatic picture orientation detecting and switching function can detect the orientation when you hold the camera and save the picture taken vertically as a vertical picture. This makes it possible to prevent image deterioration from occurring by turning the image round and resaving in JPEG format using picture processing software on a computer.

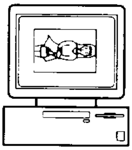
A picture captured vertically.

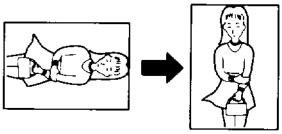


The picture is automatically switched to a vertical picture



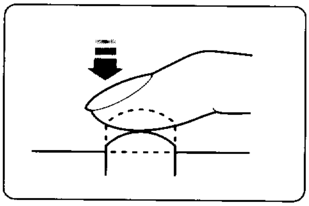
The picture is turned round using picture processing software and saved in JPEG format → image deterioration.

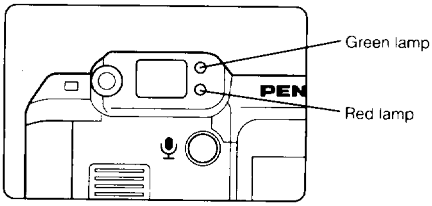




When the shutter release button is pressed in half-way

①The shutter release button is lightly pressed, so as to be pushed in half-way.
The green lamp beside the viewfinder lights up, and the focus and brightness (exposure) are stored. The red lamp also lights up when a flash fires. The half-pressed state is released when a finger is taken away from the shutter button in the half-pressed state.





Taking a picture

①With the green lamp lit up, the shutter is pressed completely so that a picture is taken.
There is then a click, and a picture is taken.
At this time, a flash fires if the red lamp is lit.

Please Note! When a lamp is blinking

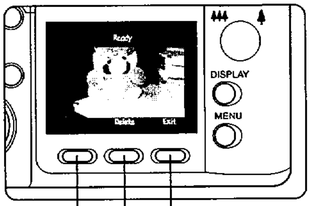
When the green lamp is blinking, then the camera is not in focus. The shutter will be released in these circumstances but the camera will not be in focus.

When the red lamp is blinking, charging of the flash is incomplete and the shutter cannot be released. Please therefore wait for the light to come on, and then press the shutter release button.

To decide whether or not to keep pictures

Card access lamp blinks while a picture taken is stored in a memory card and then you are ready to take a next picture.

◆ Quick review monitor
After a picture is taken, the picture is displayed on the LCD monitor for a few seconds.



Reference
This screen is referred to as an instant review screen, and is initially set to display for three seconds. The display time is set using the [Preferences]. It can also be arranged for the instant review screen not to be displayed. ☞ p.70

◆ Saving a picture in a memory card.
Press the right soft key, and select [exit] displayed on the LCD monitor.
The picture is stored in the memory card, and the number of pictures that can be taken is reduced.

Reference
Pictures can also be automatically saved when the LCD monitor is turned off without pressing the right soft key when saving.

◆ Deleting a picture.
Press the middle soft key while the picture is displayed on the LCD monitor and select [Delete].
If the message [Delete?] is displayed, quickly press the left soft key, and select [Delete].

Reference
Pictures that are taken can be deleted using the review mode operation. Please then look carefully at pictures that have been taken so as to determine whether or not to delete such pictures, and delete pictures in Review mode. ☞ p.95

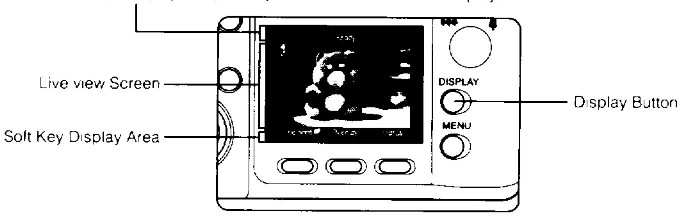
Mastering the basics.

Please Note! Taking pictures when displaying at the LCD monitor

◆Displaying at the LCD monitor

Press the display button when taking pictures while displaying the subject at the LCD monitor.

When the subject it is wished to take pictures of is displayed at the LCD monitor and [Ready] is displayed, the picture can be taken.



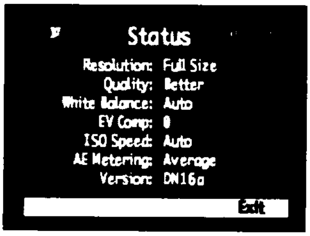
Reference

- Please take care because taking pictures with the live view screen displayed uses up the batteries.
- The initial preferences are such that the live view screen is not displayed when the power supply is turned on. Please set the [Preferences] in order to display the live view screen when the power supply is turned on. ☞ p.70

◆Operation of The Soft Keys of the Live view Screen

The soft keys are displayed at the live view screen. The following operations can be executed by selecting each of the soft keys.

- **Left Soft Key [One shot]**...The capture method can be changed over between [One shot], [Continuous] and [Timelapse] by pressing the left soft key.
  Regarding continuous shooting . ☞ p.47
  Regarding timelapse shooting. ☞ p.48
- **Middle Soft Key [Overlay]**...The state display area and soft key can be displayed or not displayed on the LCD monitor by pressing the middle soft key.
- **Right Soft Key [Status]**...The status screen can be displayed and the current capturing conditions such as the recording size and image quality etc. can be confirmed.



Comparing pictures, and deleting unnecessary pictures

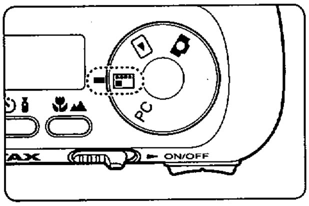
Review mode

Check pictures taken

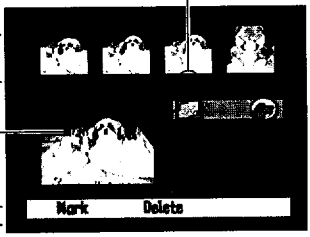
Check pictures taken using the LCD monitor.

Turn on power supply and enter review mode

①Confirm that the memory card is installed.
②Move the power switch to the right and turn on power supply.
③Rotate mode dial and line up the Review mode symbol with black line.



Display pictures saved on the memory card at the LCD monitor.



Cursor
Using the right and left keys of the four-way controller, move the picture of interest to the cursor.

Summary Display Area
Up to four saved pictures can be displayed.

Enlargement Display Area
The picture at which the cursor is positioned is enlarged.

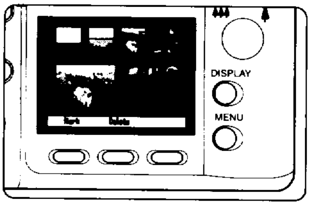
Soft Key Display Area
Soft keys that can be used with editing functions such as [Select]/[Unmark], [Delete], [Expand], [Collapse] (when putting into groups) etc. are displayed.

Preference Information Icon Display Area
One shot, continuous, timelapse, group and category preference information is displayed using icons.

Basic Data Display Area
Displays picture number, date and time, and group.

Looking at Pictures

①Press ◀ and ▶ of the four-way controller and move the picture you wish to enlarge to the cursor.
The picture at the cursor position is enlarged.



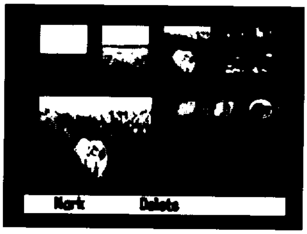
Deleting Unnecessary Pictures

Put into review mode

①Turn on the power switch and select the review mode.
The method of operation is [check pictures taken]
☞ p.17

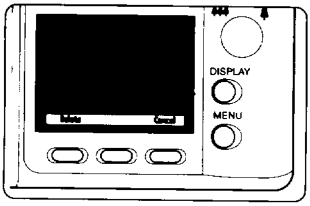
Moving the cursor to unrequired pictures

①Press ◀ and ▶ of the four-way controller and move the picture you wish to delete to the cursor.
The picture at the cursor position is deleted.



Deleting Pictures

①Press the middle soft key and select [Delete].
A message confirming deletion is displayed.



◆ **When deleting**
Press the left soft key and select [Delete].

◆ **When a delete is cancelled**
Press the right soft key and select [Cancel].

Please Note! Regarding other review mode functions

- To delete a number of pictures at the same time, select the pictures you wish to delete, and select [Delete] from the menu. ☞ p.96
- When the group function is used, the selected pictures can be collected into one group, given a name, and saved. Pictures in the group can be retrieved using the group name. ☞ p.103
- When a function of a particular category is used, the selected picture is classified by being given an icon of that particular category. The picture with the assigned category can then be retrieved from that particular category. ☞ p.102

Presenting pictures on a television

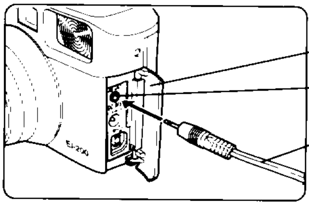
Presentation mode

Get the television ready for viewing

Connect the camera and television together using a video cable in order to show pictures on a television.

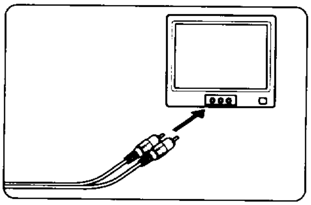
Connect the video cable to the camera

① Turn the camera power supply off.
② Open the side cover, and attach the video cable connector to the AV output terminal.



Connect the video cable to the television

① Check that the television power supply is off.
② Connect the video connector (yellow) of the video cable to the video input terminal (yellow) of the television.
③ Connect the audio connector (red) of the video cable to the audio input terminal (mono) of the television.



Reference

Please refer to the television user guide with regards to connection to the output terminal.

Presentation Mode for Presentation on a Television

① Turn on the camera power supply.
② Turn on the television power supply and select the video screen.

Reference

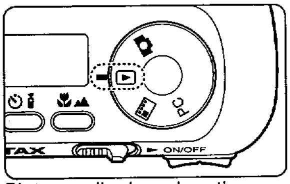
Refer to the television user guide with regards to the method of displaying the video screen.

Representing pictures on a television

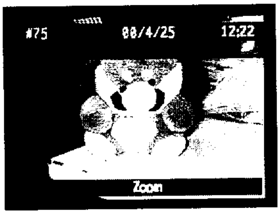
When representing pictures on a television, confirm the video output format (NTSC, PAL).
Regarding the video out setting, please refer to page 38.

Put info Presentation Mode

①Turn on the power switch of the camera, rotate the mode dial, and line up the presentation mode symbol with the black line.

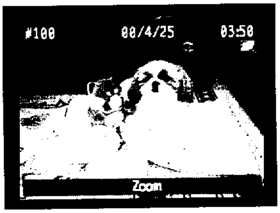


Pictures displayed on the memory card are then displayed on the television.

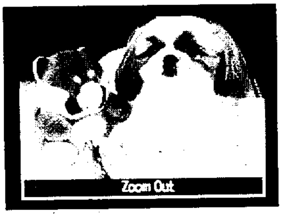


Viewing the pictures

①When ◀ and ▶ keys of the four-way controller are pressed, the pictures are changed over.



Press the middle soft key when it is wished to enlarge the displayed picture.



Reference

Regarding the presentation mode function.
There is also a slideshow function for automatically changing over screens provided in the presentation mode function. In the slideshow function, the display interval and the displayed pictures can be displayed by category. ☞ p.85

Regarding the battery

Checking battery level

The battery level can be checked using the LCD panel. Please install a new battery when there is only a small amount of battery power remaining.

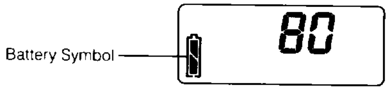
Reference

A large amount of battery power will be consumed if pictures are taken while displaying pictures on the LCD monitor or after continuous use of the LCD monitor in review mode or presentation mode. It is therefore recommended that an AC adapter (sold separately) be employed when using the LCD monitor in review mode and presentation mode.
However, please ensure that the camera power supply is turned off when connecting this AC adapter.

Getting the camera ready

① Check that the battery and the memory card are installed.

② Turn the power supply on. The battery level is then displayed at the LCD panel.



◆ **Regarding displaying of the battery level**
The battery level can be checked using the battery symbol displayed at the LCD panel.

	When the battery symbol is completely filled in, there is still sufficient battery power remaining.
	When the battery symbol is half-filled in, only half or less of the battery power is remaining.
	When just the frame the battery symbol remains illuminated, the batteries are low. In this case, please get some new batteries ready.
	When just the frame of the battery symbol remains and is blinking, this will flash for three second and the power supply will then go off. In this case, please replace the batteries with new batteries.

Reference

- The batteries are low when [Battery low] is displayed on the LCD monitor when the LCD monitor is being used. In this case, please get some new batteries ready.
- When the message [Batteries depleted] is displayed on the LCD monitor when the LCD monitor is being used, the battery symbol will flash for three seconds and the power supply will then go off. In this case, please replace the batteries with new batteries.

Changing the Batteries

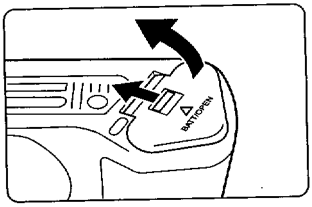
When the batteries run out, please replace with new batteries.

Reference

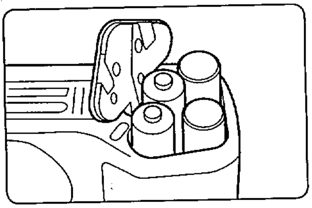
Please use AA -size lithium batteries, AA -size nickel metal hydride rechargeable batteries, or AA -size alkaline batteries.

Changing the batteries

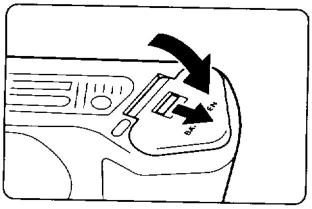
①Open the battery chamber cover at the bottom of the camera and open the battery chamber cover as shown in the drawing.



②Insert the batteries as shown in the drawing.



③ Firmly close the battery chamber cover and shift the battery chamber cover lever as shown in the drawing.



◆ If the day and time preference screen is displayed
When the day and time preference screen is displayed after changing the batteries, please set the day and time in accordance with the operation in the [Setup guide].

Regarding Battery Handling

- Performance falls when the camera is used in low temperatures and it may become easy for the [Battery low] message to be displayed on the display panel and the LCD monitor. It is therefore advisable to keep new batteries ready so that the batteries can soon be changed when using the camera in low temperatures. Lowering of the performance during use can be prevented by warming up the replacement batteries. AA -size lithium batteries are recommended for use in cold regions.
- Please store the camera with the batteries removed if the camera is not to be used for a long period of time. If the camera is stored with the batteries in, the batteries may leak and cause damage to the battery chamber of the camera.
- When alkaline batteries are used, there may be cases where the remaining battery charge is displayed as being low even when new batteries are installed, due to the properties, temperature and storing method of such batteries. In such cases, the remaining battery charge will be restored after using for a short period of time, and the remaining battery power will be displayed in a normal manner.

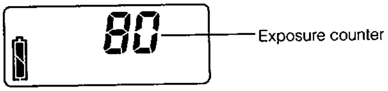
Regarding memory cards

Check memory card capacity

Getting the camera ready

①Check that the battery and memory card are fitted.

②Turn the power switch on. The number of pictures that can be taken is displayed on the display panel.



◆ Exposure counter

- The number of pictures that can be taken is reduced every time a picture is taken.
  Also, the number of pictures that can be taken is increased by one each time pictures not required are deleted by the review function .
  When the number of pictures that can be taken becomes [0] and a light blinks, please replace memory card or delete unneeded pictures (☞ p.26, 95).
- When using an LCD monitor, if a [Not Enough Memory] message is displayed please replace memory card or delete unneeded pictures (☞ p.26, 95).
- The displayed number of pictures that can be taken is different depending on image size, image quality and memory card capacity
  (☞ p.53). Please use the following table as a guideline.

* The following table is for using the camera with an 8MB memory card. [Good], [Better] and [Best] are compressed and save in JPEG format. TIFF is saved in uncompressed form in the TIFF format.

	Good	Better	Best	TIFF
1/4 image size (800 x 600)	approx. 82 pictures or more	approx. 50 pictures or more	approx. 28 pictures or more	approx. 5 pictures
Full image size (1600 x 1200)	approx. 27 pictures or more	approx. 14 pictures or more	approx. 7 pictures or more	approx. 1 pictures

Please Note! Regarding number of pictures that can be taken. Image size/quality

- Image size is the resolution when a picture is taken. The higher the resolution, the larger the amount of memory used. Image size setting ☞ p.53
- Image quality involves a sequentially lower compression rate in the order good, better, best. The lower the compression ratio, the larger the amount of memory required when saving. Conversely, if the compression ratio is high the amount of memory is small but the image quality is deteriorated. Image size setting ☞ p.53

Changing the memory card

The memory card should be removed in a power off state.

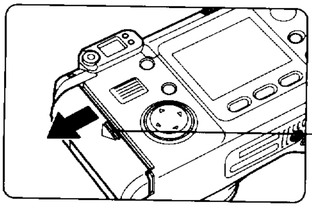
Please change the memory card when it becomes full.

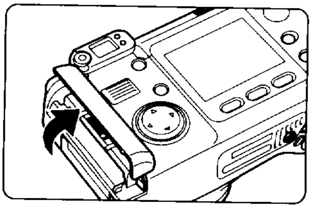
Reference

We recommend using memory cards made by SanDisk Corporation.

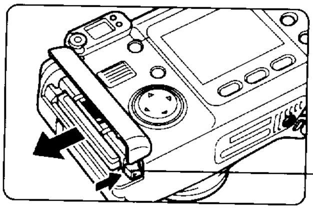
Eject a fitted card

① Move the triangular symbol on the memory card cover to the side and open the memory card cover towards you.



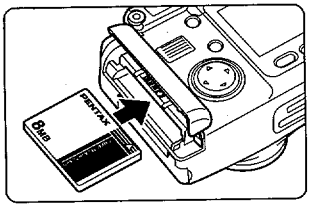


② Press CF card eject button and eject the memory card.

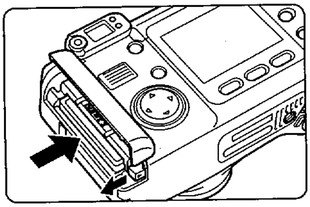


Installing a new memory card

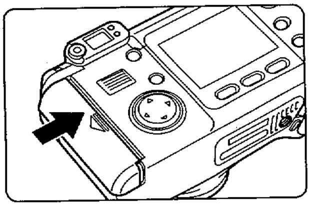
①Push the card with the surface of the card having the triangular symbol facing forwards.



Push the card in until the CF card eject button comes out to the same position as the card.



②Close memory card cover and move triangular symbol to the side back to its original position.

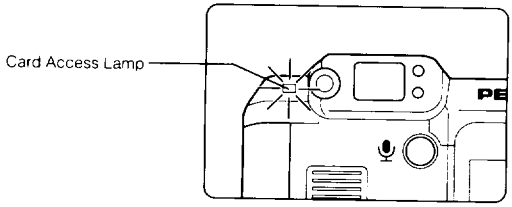


Reference

If the memory card is a commercial isomorphic memory card, it can be used as is, but with some memory cards a message [Card requires formatting] will be displayed on the LCD monitor. When this message is displayed, please format the memory card.
☞ p.74

Handling of the Memory Card

- Note that a memory card, if taken out, may be hot immediately after taking pictures.
- Never eject a memory card or turn off the power during the data storage process or communicating with another device. It would cause damage data or the card.
- Do not bend a memory card or subject it to a strong shock; do not expose it to the water nor leave it at a place of high temperature.
- Be sure to format, before using, an unused memory card or a card used on another camera (☞ p.74).
- Never attempt to eject a memory card while it is being formatted. If you do so, the card would be fatally damaged.
- It is possible for data stored in the memory card to be erased under the following conditions, so please take care. Please be aware that Pentax bears absolutely no responsibility for erased data.
  - Mishandling of the memory card by the user.
  - Memory card located at a place susceptible to static electricity or electrical noise.
  - Card not used for a long period of time.
  - Card ejected or power supply disconnected while the card access lamp is blinking.



- The memory card has a limited lifespan. The stored data may become corrupted if the memory card is not used for a long period of time. Ensure that necessary data is backed up to a personal computer etc. on a regular basis.
- Avoid using or storing in places where static electricity or electrical noise is likely to occur.
- Do not subject the card to bending, dropping or strong impacts.
- Avoid using or storing in places where there are sudden temperature variations or condensation, or in direct sunlight.

Using the function buttons

Flash mode button for setting the flash mode

By using the flash mode button it is possible to take pictures with reduced red-eye phenomenon when the flash is used, or to take pictures with a properly exposed background to the subject when taking pictures at night.

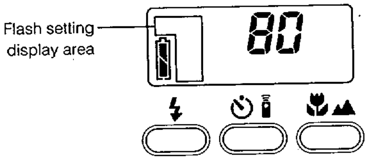
Getting the camera ready

①Check that the battery and memory card are installed.

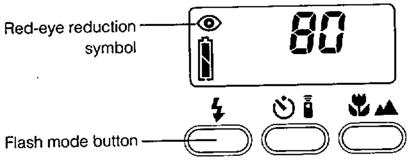
②Turn on the power switch and turn the mode dial to the capture mode symbol.

Changing the flash mode

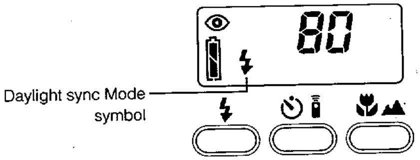
①Check the display panel.
If there is nothing being displayed on the flash setting display area, auto (automatic flash) setting will be performed, and the flash will fire as required.



②Press the flash mode button once.
The red-eye reduction symbol will be displayed on the LCD panel.



③Press flash mode button once more.
Daylight sync Mode symbol will be displayed in the LCD panel.



◆ Display panel and flash mode setting

When the flash mode button is pressed a flash setting symbol will be displayed on the LCD panel.

The flash setting symbol and the flash conditions are as described in the following

No. of times flash mode button is pressed	Symbol on LCD panel	Flash mode
0	No display	Automatic flash Flash goes off as required
1		Red-eye reduction. Before the main flash goes off, a number of small flashes are emitted, to reduce the phenomenon where people's eyes appear red (red-eye reduction).
2		Daylight-sync mode. The flash is forced to go off even if it is bright or back light condition.
3		Red-eye reduction and Daylight-sync mode The flash is forced to go off and Red-eye reduction is in effect when the flash goes off.
4		Slow-shutter-speed mode. The flash does no go off. This mode is set when taking pictures where flash photography is prohibited or taking pictures at night.
5		Slow-speed-sync (Flash-on) & Daylight sync mode. Set when it is desired to take properly exposed pictures of both people and a background when taking pictures at night
6		Red-eye reduction, slow-speed-sync (Flash-on) and Daylight sync mode. Red-eye reduction when flash goes off when taking pictures with the slow-speed sync mode.

Taking pictures using self-timer or remote control (a remote control is optional)

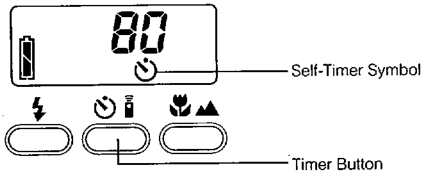
The following section described the operation of the self-timer and the included wireless remote control for when taking pictures of the whole family using a tripod etc.

Getting the camera ready

1. Check that the battery and memory card are installed.
2. Fix camera to the tripod etc.
3. Turn on the power switch and turn the mode dial to the capture mode symbol

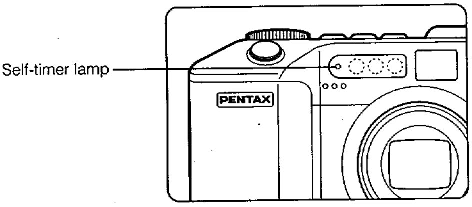
Taking pictures with the self-timer

①Press the timer button once
A self timer symbol will be displayed on the LCD panel.



②Check the place where want to appear in the picture by looking through the viewfinder.

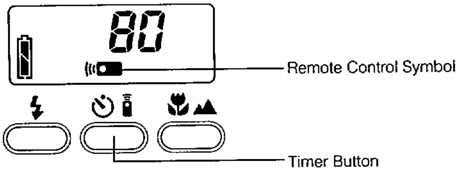
③Press the shutter release button halfway down to check focus position and then press the shutter release button fully down
The self-timer lamp will be lit for 7 seconds, then it will blink for 3 seconds before the shutter is released.



Taking pictures with the remote control

①Get the remote control ready.

②Press the timer button twice.
The remote control symbol is displayed on the LCD panel.



③Check the place where want to appear in the picture by looking through the viewfinder.

④Move to the place you want to appear in the picture, point the remote control at the camera and press the remote controller button.
The self-timer lamp blinks for 3 seconds and the shutter is released.

Reference

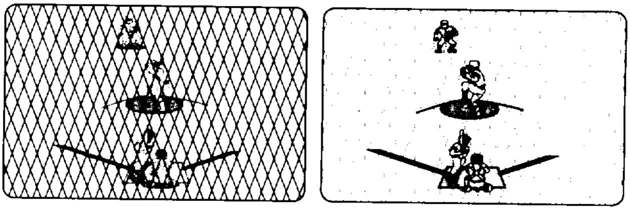
- Ensure that the camera and the remote control transmitter are no more than 5 meters apart.
- The remote control transmitter contains a battery, and can transmit about 30,000 times. If the battery runs out, please contact your nearest Pentax service centre There will be a small charge for a replacement battery.

Adjusting focus range. Macro/Infinity button

The focus range when taking pictures can be adjusting by pressing the macro/infinity button.

◆ Macro (focus range: 10cm to infinity from lens front).
Set in situations such as taking pictures of flowers in close-up or when you want to get as close as possible to the subject. For macro shots, it is recommended to use the LCD monitor in stead of the viewfinder.

◆ Infinity (focus range: infinite distance).
Set when taking landscape views through glass or netting, when you want to take a photo of the landscape without focussing on the glass or netting.

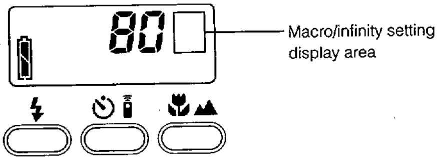


Getting the camera ready

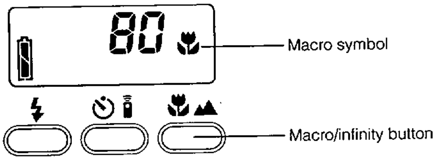
① Check that the battery and memory card are installed.
② Turn on the power switch and turn the mode dial to the capture mode symbol.

Adjusting focus range

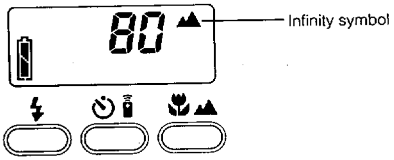
①Check LCD panel.
If there is nothing displayed on the macro/infinity setting display area auto-focus (focus range: 50cm to infinity from lens front) will be set, and focus will be automatically adjusted.



②Press the macro/infinity button once.
The macros symbol (a tulip symbol) will be displayed on the display panel, and the focus range is set to macro (10cm to 60cm from lens front).



③Press the macro/infinity button once more.
The infinity-landscape symbol (a mountain symbol) will be displayed on the display panel, and the focus range is fixed to infinity (infinite distance).



Zoom lever for setting the focus range to the telephoto setting and the wide-angle setting

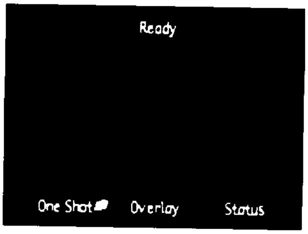
It is possible to change the focus range to the telephoto setting and the wide-angle setting with the zoom lever. This camera has a digital zoom function, so it is also possible to expand the magnification range of pictures to 1.2 x, 1.5 x, or 2 x when you are shooting a subject through the LCD monitor.

Getting the camera ready

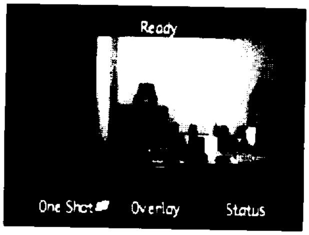
1. Confirm that the battery and the memory card are installed.
2. Turn on the power supply and turn the mode dial to the capture mode symbol.

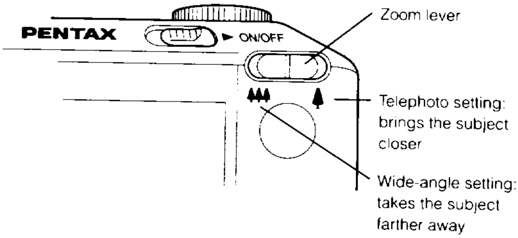
Set the focus range to the telephoto setting or the wide-angle setting

1. Move the zoom lever towards the telephoto setting (a single tree). The focus range will be brought closer.



2. Move the zoom lever towards the wide-angle setting (three trees). The focus range will be taken farther away.





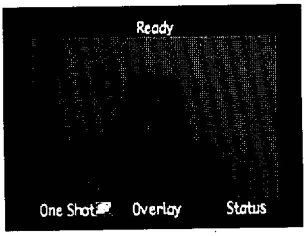
Telephoto with the digital zoom

①Press the display button to display the LCD monitor.

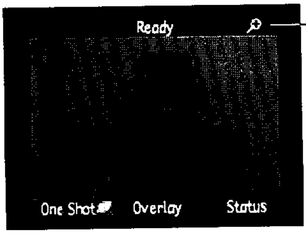
Reference

The digital zoom function can not be used unless shooting by displaying the subject on the LCD monitor. It is impossible to confirm the magnification rate using the viewfinder.

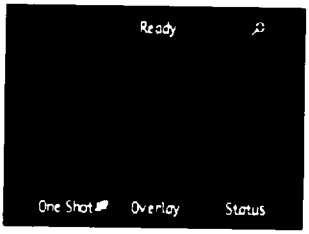
②Move the zoom lever towards the telephoto setting to set the highest magnification rate.



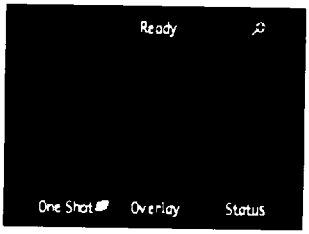
③Release your finger from the zoom lever once, and move the zoom lever towards the telephoto setting again. The digital zoom function will be on and the digital zoom symbol will be displayed on the LCD monitor.



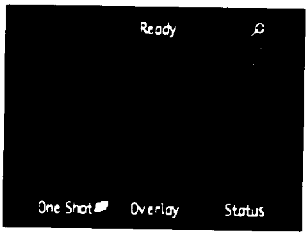
④ If the zoom lever is moved towards the telephoto setting, the magnification range can be changed to 1.2 x, 1.5 x, or 2 x. If the zoom lever is moved towards the wide-angle setting, the magnification rate can be set lower.



1.2 x



1.5 x



2 x

⑤ To return to the normal zoom range, move the zoom lever towards the wide-angle setting when the magnification rate is 1.2 x.

Reference

Even when the digital zoom function is on, the digital function can be canceled by the following operations.

- Turning off the power supply.
- Pressing the menu button.
- Turning off the LCD monitor.
- Turning the mode dial.

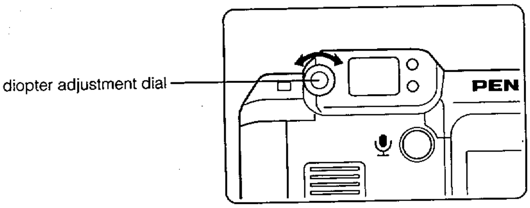
Using the diopter to adjust viewfinder visibility.

It is possible to adjust the viewfinder visibility so that different people can see through the viewfinder.

Adjusting the viewfinder visibility

①Look through the viewfinder.

②Rotate the diopter adjustment dial on the left side of the viewfinder to a position at which the frame lines in the viewfinder can be seem most clearly.



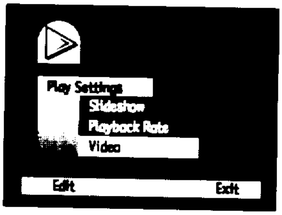
Setting Video Output Format

Select a video output format NTSC or PAL.

Put info Presentation Mode

1 Turn on the power switch of the camera, rotate the mode dial , and line up the presentation mode symbol with the black line.

2 If the menu button is pressed, the [Play Settings] menu will be displayed.

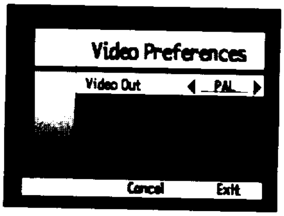


Select a video output format

1 If the down arrow on the four-way controller is pressed twice while [Slideshow] is displayed in highlighted text, [Video] will be displayed in highlighted text.

2 Press the left soft key to select the soft menu [Edit].

3 Press the left and right arrows on the four-way controller to select NTSC or PAL.



4 Press the right soft key to select the soft menu [Exit].

Step-up Operation

Page

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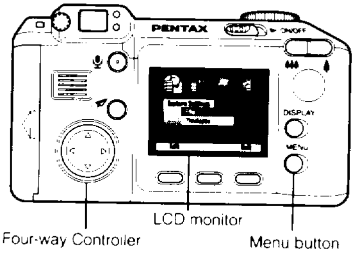
Summary of Step-up Operation

Step-up operation mainly describes a setting menu displayed by pressing the menus button.

Basic Operation of the Setting Menu

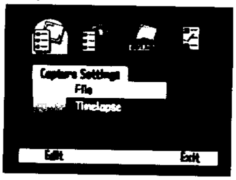
Description will now be given of displaying the setting menu and how to set the various functions.

1 Display setting menu screen

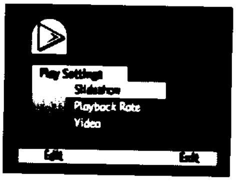


1. Confirm that batteries and memory card are installed.
2. Turn on power supply
3. Turn the mode dial to select mode whose menu will be displayed.
   The setting menu is different for capture mode, presentation mode, and review mode.
4. Press the Menu button
   The menu for each mode is displayed on the LCD monitor.

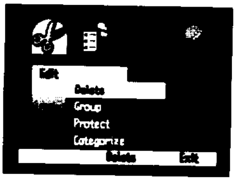
Capture Mode



Presentation Mode



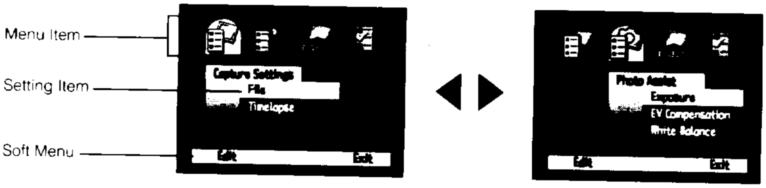
Review Mode



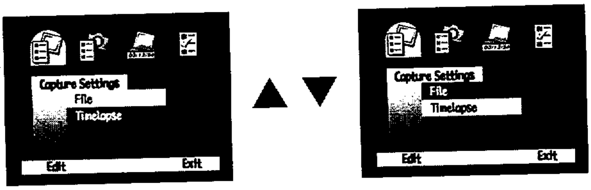
2 Display setting items

1. Press the left and right arrows on the four-way controller to select menu items.

e.g. Review mode menu items

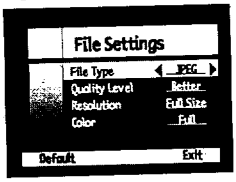


②Press up and down arrows on four-way controller to select setting items.



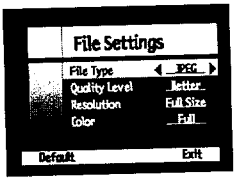
③Select soft menu [Edit] by pressing left soft key. Setting content for the setting item will be displayed.

e.g. When setting item [File] is selected

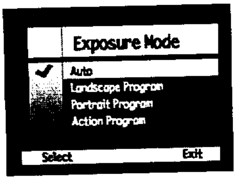


3 Setting of respective items

①Select setting content.



A left pointing triangle ◀ and ▶ are shown to the left and right of the setting content, and the setting content is displayed by pressing the left and right arrows on the four-way controller.



When the setting content is displayed on the screen, the cursor is moved to the different setting content items by pressing the up and down arrows on the four-way controller.

②If the right soft key is pressed to select [Exit], the selected content is set.

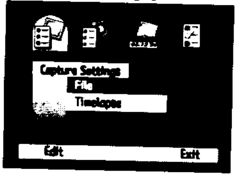
* Depending on the setting content, some items are set by simply choosing [Select].
* When a soft menu [Default] is displayed on the setting screen, pressing the left soft key enables the settings to be reset to the factory setting after settings have been changed.

③If the menu button is pressed, the set content is validated. and the respective function is returned to.

Menu items displayed for each function

◆ Capture Mode

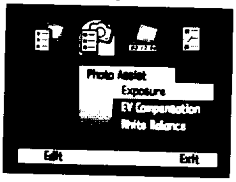
[Capture Settings] menu



[File] setting ..... File Type (JPEG/TIFF), Quality Level (JPEG only), resolution etc. ☞ p.52

[Timelapse] setting ..... Interval and number of images for timelapse shooting ☞ p.48

[Photo Assist] menu



[Exposure] setting .. exposure to designated mode (Landscape Program, Portrait Program, Action Program etc.) ☞ p.54

[EV Compensation] .. set exposure in steps of ±0.5 EV ☞ p.56

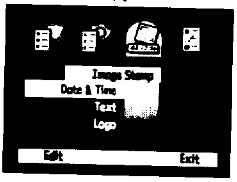
[White Balance] .. Setting white balance for different light sources. ☞ p.57

[Focus] ..... Set to Auto Focus or Manual Focus when focussing. ☞ p.58

[AE Metering] .. Setting the metering method for when determining exposure ☞ p.60

[ISO Speed] .... Setting ISO speed to Auto, ISO100 or ISO200. ☞ p.61

[Image Stamp] menu

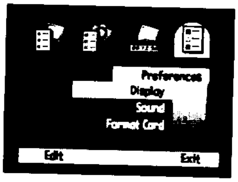


[Date & Time] .. Set whether or not to superimpose a date & time stamp on a picture and if so set the type of stamp, placement, background color etc. ☞ p.62

[Text] .... Set whether or not to superimpose text on a picture, and if so set the letters, placement, background color etc. ☞ p.64

[Logo] ...... Set whether or not to superimpose stored image data on a picture as a logo file, and if so set the placement ☞ p.68
However, there is no logo file stored in the memory card included.

[Preferences] menu



[Display] ...... Set brightness of the LCD monitor, display time for instant review for displaying a picture immediately after it has been taken, whether or not to display a picture on the LCD monitor at the time of taking a picture, and a time for turning off the power supply if there is no operation ☞ p.70

[Sound] ...... Set the volume of recorded sounds and start-up and shutter release button sounds of the camera (system sounds) and whether or not to use the system sounds. ☞ p.72

[Format Card] .. This will delete everything in the memory card. ☞ p.74

[PC Connect Mode] .. Set whether to use a USB Disk Drive or a Digital Device when connecting the camera to a personal computer ☞ p.125

[Date & Time] .. Set current date & time. ☞ p.74

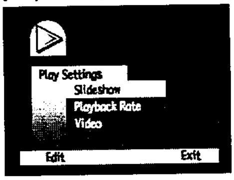
[Image Counter] .. Set whether the number to be affixed to an image should start from "1" or continue on from a cumulative number when an empty memory card is used. ☞ p.76

[Language] .... Set the language in which menus and messages are displayed (English/French/Italian/Spanish/German/Japanese) ☞ p.79

[Reset Settings] . Return the various settings (except for [Language], [Date & Time settings] & [video output system]) to the factory settings. ☞ p.80

◆ Presentation Mode

[Play Settings] menu



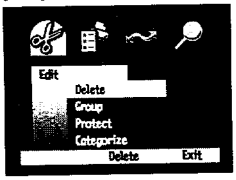
[Slideshow] .... Set the content, display interval, whether or not to use sound, and whether or not to repeat when displaying captured pictures as a slideshow on the LCD monitor of the camera or on a television. ☞ p.85

[Playback Rate] ... Set the display interval when displaying photographs taken using timelapse shooting or continuous shooting. ☞ p.88

[Video] .... Set video out (NTSC/PAL) when connecting to a television.

◆ Review Mode

[Edit] menu



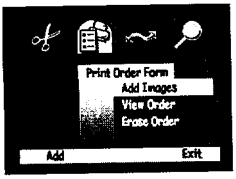
[Delete] .... Delete the photograph selected on the edit screen. ☞ p.96

[Group] .... Attach a name to a photograph selected on the edit screen to make a new group, or add to an already existing group. ☞ p.103

[Protect] .... Protect the picture selected on the edit screen so that it can not be deleted or remove protection. ☞ p.98

[Categorize] .... Sort the picture selected on the edit screen into a separate category. ☞ p.102

[Print Order Form] menu

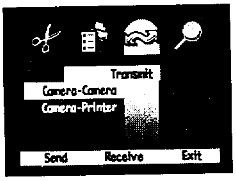


[Add Images] ...... When printing only photographs selected on the edit screen, set whether you want an index print or standard prints, and set the number of copies. ☞ p.116

[View Order] .... Display your print order form. ☞ p.119

[Erase Order] ...... Delete all print order forms. ☞ p.120

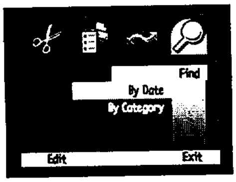
[Transmit] menu



[Camera - Camera] ... Transmit or receive pictures from another Pentax EI-200 camera, or another digital camera that has Digita operating system. ☞ p.127

[Camera - Printer] ... Transmit pictures in this camera to a Hewlett Packard Printer for printing. ☞ p.121

[Find] menu



[By date] .... Detect and display pictures in the designated date range on the edit screen. ☞ p.110

[By category] .... Detect and display pictures categorized on the edit screen. ☞ p.112

Using Various Functions

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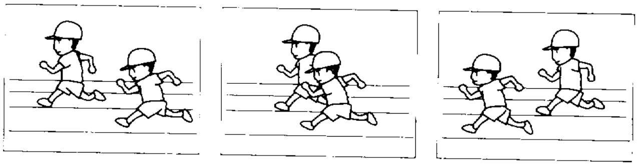
About The Various Capture Methods

As well as the operation of taking pictures one frame at a time (single frame shooting) by pressing the shutter release button, this camera also has the following capture methods. It is also possible to record sound with a captured picture.

◆ Continuous shooting

Pictures will be taken continuously while the shutter release button is held down.

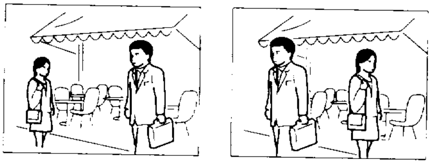
When taking pictures with movement, such as at a sports day or the like, pictures can be taken continuously, enabling pictures like the shifting of motion picture frames.



◆ Timelapse Shooting.

When the shutter release button has been pressed, pictures will be taken the designated number of times and at the designated interval.

In fixed point observation etc., the camera is placed on a tripod and it is possible to take a landscape picture of a specified place at fixed intervals.



◆ Sound Recording

It is possible to record sound with a captured picture.

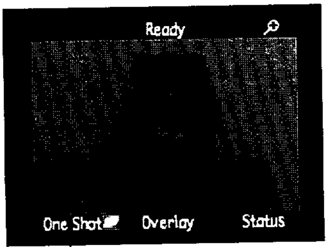
It is possible to record speech in a large hall or directed towards a microphone, such as when everyone shouts "Happy Birthday!" or "Congratulations!" at a birthday party, with a picture.

Taking pictures in continuous shooting mode

Pictures will be continuously taken as long as the shutter release button is held down.

Reference

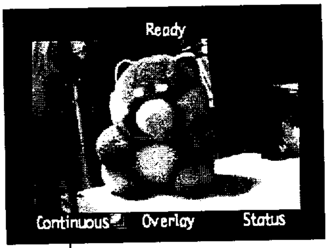
- With continuous shooting, pictures will be continuously taken while the shutter release button is held down (until the memory card is filled up).
- With continuous shooting, pictures will be taken in succession as fast as possible, but there will be variation in the interval due to throughput of the camera and charging of the flash.



Soft menu [One Shot]

1 Display of the live view screen

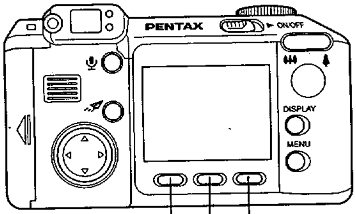
①Turn on power supply and turn the mode dial to capture mode (camera symbol).
②Press the display button and the live view screen will be displayed.

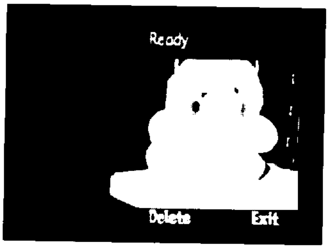


Soft menu [Continuous]

2 Switching to continuous shooting

②Press left soft key to cause the soft menu [Continuous] to be displayed.





Instant Review screen

3 Continuous capture

① Ensure subject to be taken is inside the AF frame in the viewfinder, then press the shutter release button halfway down.

② Confirm the green lamp lights up, and keep pressing the shutter release button. When finishing continuous capture, take away your finger off the shutter release button.

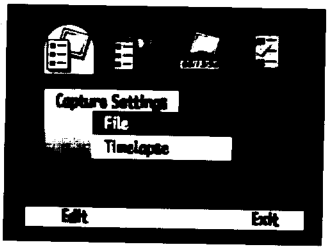
Reference

Captured pictures will be shown on the instant review screen.

- To delete pictures shown on the instant review screen, press the middle soft key and choose the soft menu [Delete]. It is possible to take pictures continually while [Ready] is displayed on the LCD monitor. If the instant review screen disappears or the soft menu [Exit] is selected by pressing the right soft key, the pictures displayed will be saved in the memory card. All captured pictures will be saved in the memory card as a single group.

Taking designated number of pictures at regular interval -Timelapse shooting mode-

Pictures will be taken the designated number of times and at the fixed interval.



[Capture Settings] menu

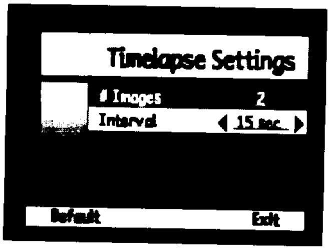
1 Display [Timelapse] setting screen

① Turn on the power supply and turn the mode dial to select Capture Mode (camera symbol) .

② Press the menu button to display the [Capture Settings] menu.

③ Press the bottom arrow on the four-way controller to display [Timelapse] in highlighted text.

④ Press the left key to select the soft menu [Edit]. [Timelapse Settings] screen will be displayed.



[Timelapse Settings] screen

2 Setting number of images and interval

① While displaying [# Images] in highlighted text, press the left and right arrows on the four-way controller to display the total number of pictures to be taken in timelapse shooting mode.

Reference

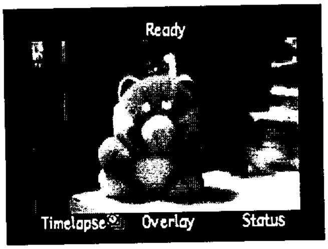
The number of pictures can be set from 2 to 1000. However, a message [Not Enough Memory] will be displayed if there is not enough room in the memory card for the designated number of images when starting the exposure. Please set a number within the number of images possible displayed on the LCD panel.

②Press the down arrow on the four-way controller to display [Interval] in highlighted text.

③Press the left and right arrows on the four-way controller to display interval to be set.

④After setting, press the right soft key to select the soft menu [Exit].
[Capture Settings] menu will return on the screen.

⑤Select the soft menu [Exit] by pressing the right soft key to return to a capturing state from menu screen.



Soft menu [Timelapse]

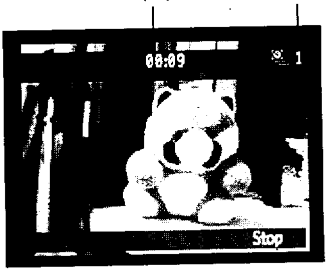
3 Switching to timelapse shooting mode

①Press the display button to display the live view screen.

②Press the left soft key to display the soft menu [Timelapse].

③To save battery power, press the display button so as not to display the LCD monitor.

Timer display Number of Images



The screen while taking photos

4 Start timelapse shooting

①Show a photo to be taken in the AF frame [ ] and press the shutter release button halfway down.

②Confirm that the green lamp lights up and press the shutter release button.
The first photo will be taken. The first picture is taken, and a Timer Display which counts down from the designated time at the fixed interval, and the number of pictures taken so far will be shown on the LCD monitor.

Reference

Press the right soft key to select [Stop] to cancel shooting at any time during shooting.

③The first captured picture will be displayed on Instant Review screen when Timelapse shooting is finished.

Reference

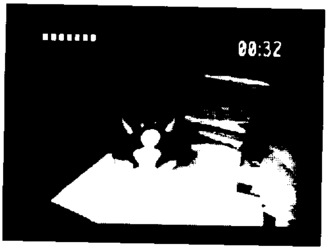
- All of the pictures captured in Timelapse Shooting mode will be saved in the memory card as in a group.
- Select the soft menu [Delete] by pressing the middle soft key to delete photos taken in Timelapse Shooting mode.

Sound recording for a captured picture - Sound Recording

It is possible to record sound just after taking photos (while the Instant Review screen is displayed) .

Reference

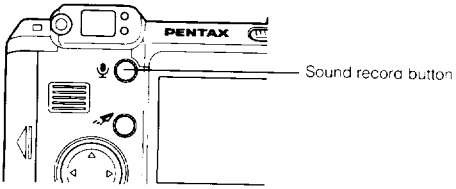
- It is possible to record sound in Presentation Mode (☞ p.94) or Review Mode after taking photos. It is possible to re-record sound in Presentation Mode or Review Mode (☞ p.83).

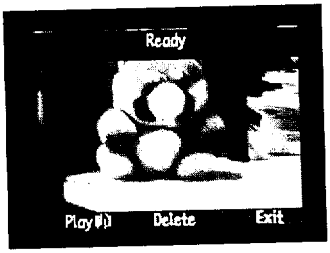


Sound Recording screen

1 Recording sound just after taking photos

1. Turn on the power supply and turn the mode dial to select Capture Mode (camera symbol) .
2. Show a subject in the AF frame [ ] of the viewfinder and press the shutter release button halfway down.
3. Confirm that the green lamp lights up and press the shutter release button completely down.
   Captured photos will be displayed on the Instant Review screen.
4. Press Sound Record button to display the view for which sound is recording.
   Surrounding sounds or a voice directed toward the camera will be recorded.





Instant Review screen after recording

⑤Press Sound Record button to finish recording.
Instant Review screen will be displayed.

Reference

- To play recorded sound, select the soft menu [Play] by pressing the left soft key.
- To delete the photo displayed on the Instant Review screen, select the soft menu [delete] by pressing the middle soft key. Both picture and sound, or only sound, can be deleted.
- If the Instant Review screen goes off or the soft menu [Exit] is selected by pressing the right soft key, displayed photos will be saved in the Memory Card.
- The maximum recording time is 45 seconds.

Setting File Settings

Setting File Settings for pictures in One Shot Shooting, Continuous Shooting and Timelapse Shooting.

Reference

Regarding setting Timelapse shooting p.48

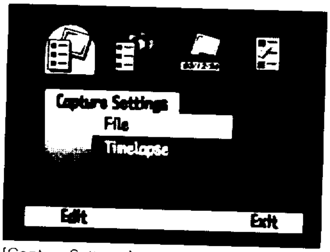
- Save format of picture
  JPEG (Compression format), TIFF(non-compression format)
- Quality level (compression rate) of photo when saving in JPEG format
  Good, Better, Best
- Image resolution
  Full (1600×1200 pixels), 1/4 (800×600 pixels)
- Color
  Full, B & W, Sepia

Setting save format and size of image - File Setting

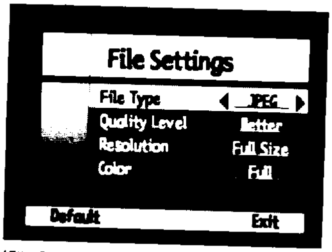
Set file setting of photos for One Shot Shooting, Continuous Shooting and Timelapse Shooting

Reference

The set file setting is saved in the camera. so it is effective even when the power supply turned off. Select [Default] on the File Settings screen to return to initial setting.



[Capture Settings] menu



[File Settings] screen

1 Displaying [File Settings] screen

1. Turn on the power supply and turn the mode dial to Capture mode.
2. If the menu button is pressed, the Capture Setting screen will be displayed.
3. Press the left soft key to select [Edit] while displaying [File Settings] in highlighted text.
   [File Settings] screen will be displayed.

2 Setting [File Settings]

1. Press the up and down arrows on the four-way controller to display setting items in highlighted text.
2. Press the left and right arrows on the four-way controller to display setting content.

③After setting necessary items, press the right soft key to select the soft menu [Exit].

The [Capture Settings] screen will be displayed.

Reference

If [Default] is selected by pressing the left soft key, the initial settings will be restored.

④If the soft menu [Exit] is selected by pressing the right soft key, the menu will return to capturing status.

You are now ready to take photos in the set file setting.

◆ File Type

Set a file type for pictures. Set [JPEG] or [TIFF] by pressing the left and right arrows on the four-way controller.

[JPEG]: Saving by compressing files.

[TIFF]: Saving without compressing files.

◆ Quality Level

Set Quality Level of compressing when File Type [JPEG] is set.

Set [Good], [Better], or [Best] by pressing the left and right arrows on the four-way controller.

Reference

When saving in File Type [JPEG], compression rate determines the Quality Level. The higher the compression rate is, the smaller the capacity required for storage becomes, but Quality Level will deteriorate.

Compression Rate: (higher) Good>Better>Best(lower)

Quality Level: (rougher) Good>Better>Best(clearer)

◆ Resolution

Set image resolution when taking photos. Set [Full Size] or [1/4 Size] by pressing the left and right arrows on the four-way controller.

[Full Size]: Taking photos at 1600x1200 Pixels

[1/4 Size]: Taking photos at 800x600 Pixels

◆ Color

Set Color when taking photos. Select [Full], [B&W] or [Sepia] by pressing the left and right arrows on the four-way controller.

Please Note! Setting File Settings and the number of photos that can be taken

If File Settings is set, the displayed number of photos can be taken will be changed.

If File Type [TIFF] (non-compression) and Resolution [Full Size] are set, it is possible to take photos at the best Quality level, but the number of picture that can be saved in the Memory Card is lower.

Also, if File Type [JPEG], Quality Level [Good] and Resolution [1/4 Size] are set, the number of photos can be saved in the memory card increases to the maximum, but Quality Level is worst. ☞ p.25

Setting Exposure, White Balance And ISO Speed

On the [Photo Assist] menu, it is possible to set Exposure, White Balance or ISO speed or to switch between Auto Focus and Manual Focus.

- Save Exposure ☞ p.54
  Auto, Landscape Program, Portrait Program, Action Program, Aperture Priority, Shutter Priority
- EV Compensation ☞ p.56
  Compensating exposure from -2.0EV to ±2.0EV in 0.5 EV steps.
- White Balance ☞ p.57
  Auto, Daylight, Tungsten, Fluorescent
- Focus ☞ p.58
  Auto focus, Manual focus
- AE Metering ☞ p.60
  Average (whole screen), Center-weighted (the main center area of the screen), Spot (only the center of the screen)
- ISO Speed ☞ p.61
  Auto, ISO100, ISO 200

Setting exposure mode according to subject - Exposure

It is possible to take photos at a proper exposure by selecting Exposure mode according to subjects. It is also possible to take photos using Aperture Priority Exposure Mode or Shutter Priority Exposure Mode as a method for determining exposure.

Reference

Exposure mode setting is effective until the power supply is turned off. Once the power supply is turned off, exposure will be set to Auto.

◆ Auto

Auto is the most commonly used exposure mode and it is recommended that you use this normally. Exposure will be automatically set for subjects to be photographed when the shutter release button is pressed in halfway.

◆ Landscape Program

It is possible to take photos of an entire landscape on the screen much more clearly by setting the ISO speed lower and making the aperture opening smaller.

◆ Portrait Program

By opening the aperture larger, it is possible to take photos of a person in the center much more clearly.

◆ Action Program

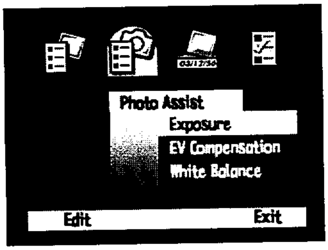
By setting the shutter speed faster and the ISO speed higher, it is possible to take photos containing fast action.

◆ Aperture Priority

By setting the aperture opening with the up and down arrows on the four-way controller, it is possible to take photos with the shutter speed adjusted to the fixed aperture.

◆ Shutter Priority

By setting the shutter speed with the up and down arrows on the four-way controller, it is possible to take photos with the aperture changed according to the fixed shutter speed.



[Photo Assist] screen

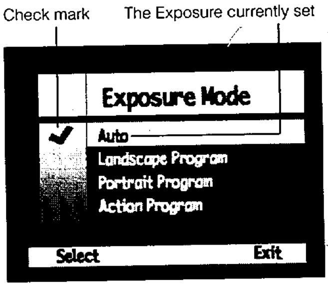
1 Displaying [Exposure Mode] screen

①Turn on the power supply and turn the mode dial to the Capture Mode symbol.

②If the menu button is pressed, the [Capture Settings] menu will be displayed.

③If the right arrow on the four-way controller is pressed, the [Photo Assist] menu will be displayed.

④Press the left soft key to select the soft menu [Edit] when [Exposure] is displayed in highlighted text.
[Exposure Mode] screen will be displayed.



[Exposure Mode] screen

2 Selecting [Exposure Mode]

①Press the up and down arrows on the four-way controller to display [Exposure Mode] for subjects in highlighted text.

②Press the left soft key to select the soft menu [Select].
The selected exposure will be set and the [Photo Assist] menu will be displayed.

③If the soft menu [Exit] is selected by pressing the right soft key, capturing status will be restored.
It is possible to take photos with the set exposure mode.

Reference

If Aperture Priority or Shutter Priority is set, it is possible to take photos by setting the aperture number and the shutter speed which are displayed on the LCD monitor.

Please Note! Regarding setting exposure mode

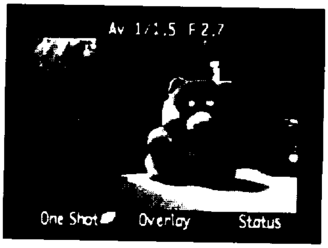
◆ **Regarding setting exposure mode and ISO speed**

If the exposure mode is set to Landscape Program, Portrait Program, Action Program, or Shutter Priority ISO Speed on the [Exposure Mode] menu will be set automatically, and can not be set manually.

◆ **How to take photos in Aperture Priority AE Mode**

1 Set Exposure Mode to [Aperture Priority].
The aperture number and the shutter speed will be displayed on the LCD monitor when the shutter release button is pressed halfway.

2 If the up and down arrows on the four-way controller are pressed, the aperture number will be changed.
The shutter speed will be set automatically according to the set aperture.



Aperture display: displayed at AvF2.7

◆ **How to take photos using the Shutter Priority AE Mode**

1 Set Exposure Mode to [Shutter Priority]. Press the shutter release button halfway.
The LCD monitor will be displayed.

2 If the up and down arrows are pressed, the shutter speed will be changed.
The aperture will be set automatically according to the set shutter speed.

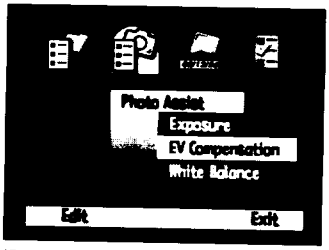
Shutter speed display: 1/2 position

Exposure adjustment for whole photo - EV Compensation

It is possible to make the whole photo overexposure or underexposure (by at most 2.0 EV).

Reference

- The set EV Compensation will be saved in the camera, so it is effective even when the power supply turned off. Select [Default] on the EV Compensation screen to restore the initial settings.
- If the camera is turned off, [Default] = 0 will be restored.



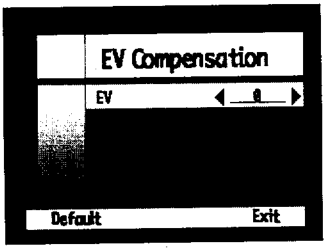
[Photo Assist] menu

1 Display [EV Compensation] screen

① Turn on the power supply and turn the mode dial to the Capture Mode symbol.
② If the menu button is pressed, the [Capture Settings] menu will be displayed.
③ If the right arrow on the four-way controller is pressed, the [Photo Assist] menu will be displayed.

④If the down arrow on the four-way controller is pressed, the [EV Compensation] screen will be displayed in highlighted text.

⑤Press the left soft key to select the soft menu [Edit]. The [EV Compensation] screen will be displayed.



[EV Compensation] screen

2 [EV Compensation] setting

①Adjust exposure by pressing the left and right arrows on the four-way controller.
The setting value for exposure will be displayed by pressing the left arrow for the minus direction (darker), and the right arrow for the plus direction (brighter).

②Press the right soft key to select the soft menu [Exit]. The selected exposure will be set, and the [Photo Assist] menu will be displayed.

Reference

To restore to the initial settings from those just set, press the left soft key to select the soft menu [Default].

③Select the soft menu [Exit] by pressing the right soft key and capturing status screen will restored.
It is possible to take photos with the set exposure.

Adjusting color balance according to lighting - White Balance

Adjust the color of photos according to lighting when taking pictures.
The whole picture can take on a green or red hue when taking photos under fluorescent light or normal electric light bulbs. White balance adjusts the colour of pictures according to the lighting when taking pictures.

Reference

The setting of White Balance will be effective until the power supply is turned off. Once after the power supply is turned off, white balance adjustment will be set to Auto.

◆ Auto

Automatically adjust white balance.

◆ Daylight

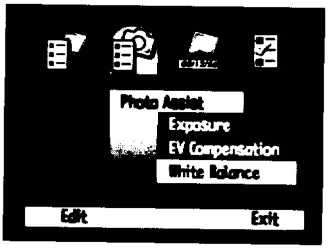
Set to Daylight when taking photos under natural sunlight

◆ Tungsten

Set to Tungsten when taking photos of subjects lit up with normal or tungsten light bulbs or.

◆ Fluorescent

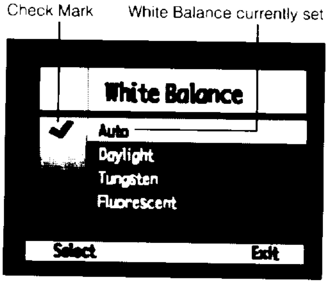
Set to Fluorescent when taking photos of subjects lit up with florescent light.



[Photo Assist] menu

1 Displaying [White Balance] screen

① Turn on the power supply and turn the mode dial to Capture Mode symbol.
② If the menu button is pressed, [Capture Settings] menu will be displayed.
③ If the right arrow of the four-way controller is pressed, the [Photo Assist] menu will be displayed.
④ If the down arrow of the four-way controller is pressed twice, [White Balance] will be displayed in highlighted text.
⑤ Press the left soft key to select [Edit].
The [White Balance] screen will be displayed.



[White Balance] screen

2 Selecting light condition

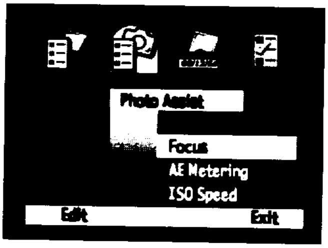
① Press the up and down arrows on the four-way controller to display light conditions in highlighted text.
② Press the left soft key to select the soft menu [Select].
The selected white balance will be set and the Photo Assist menu will be displayed.
③ If the right soft key is pressed to select the soft menu [Exit], capture status will be restored.
You are now ready to take photos with the set white balance.

Manual focus - AF/MF Focus Mode

It is possible to focus manually.

Reference

If the camera is turned off, AF (Auto Focus) will be restored.



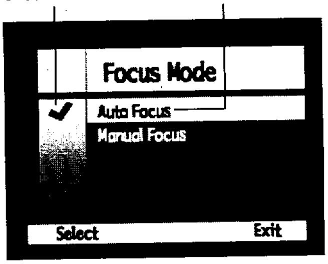
[Photo Assist] menu

1 Displaying [Focus Mode] screen

① Turn the power supply on and turn the mode dial to the Capture Mode symbol.
② If the menu button is pressed, the [Capture Settings] menu will be displayed.
③ If the right arrow on the four-way controller is pressed, the [Photo Assist] screen will be displayed.
④ If the down arrow on four-way controller is pressed three times, [Focus] will be displayed in highlighted text.

③Press the left key to select soft menu [Edit].
[Focus Mode] screen will be displayed.

Check mark The Focus Mode currently set



[Focus Mode] screen

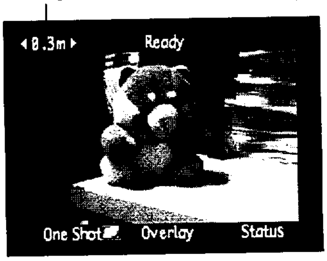
2 [Focus Mode] setting

①Press the up and down arrows on four-way controller to display Auto Focus or Manual Focus in highlighted text.
②Press the left soft key to select soft menu [Select].
The selected focus mode is set and the [Photo Assist] screen will be displayed.
③Press the right soft key to select soft menu [Exit] and capture status will restored.
You are now ready to take photos with the set focus mode.

Please Note! How to take photos with Manual Focus Mode

① Set focus mode to Manual Focus.
② Press the menu button to display the LCD monitor.
③ Press the left and right arrows on the four-way controller to set the shooting distance according to the subject.
It is possible to take photos at the set shooting distance.

Shooting Distance



Reference
With the Manual Focus setting, even when pressing the Macro/infinity button, the Macro/infinity setting symbol will not be displayed and it will not be effective.

AE Metering range setting for determining exposure - AE Metering

Set AE Metering range of exposure on the screen when setting exposure.

◆ Average metering

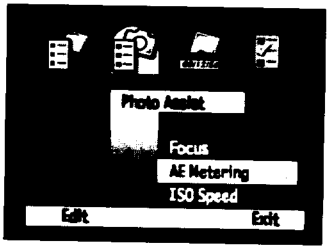
Set exposure based on the whole screen.

◆ Center-weighted metering

Set exposure based on the main center area on the screen.

◆ Spot metering

Set exposure based only on the center of the screen.



[Photo Assist] menu

1 Displaying [AE Metering] screen

① Turn the power supply on and turn the mode dial to the Capture Mode symbol.

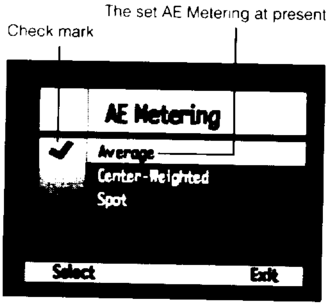
② If the menu button is pressed, the [Capture Settings] menu will be displayed.

③ If the right arrow on the four-way controller is pressed, the [Photo Assist] menu will be displayed.

④ If the down arrow on the four-way controller is pressed four times, [AE Metering] will be displayed in high-lighted text.

⑤ Press the left key to select the soft menu [Edit].

The [AE Metering] screen will be displayed.



[AE Metering] screen

2 [AE Metering] Setting

① Press the up and down arrows on the four-way controller to display AE Metering range to be set.

② Press the left soft key to select [Select].

The selected AE Metering range is set and the [Photo Assist] screen will be displayed.

③ Press the right soft key to select the soft menu [Exit] and capture status will be restored.

You are now ready to take photos with the set focus mode.

ISO speed setting - ISO Speed

It is possible to set ISO speed just like ISO speed for films.

Reference

ISO speed can be set only when [Aperture Priority] or [Shutter Priority] has been set from the [Exposure] menu.

◆ Auto

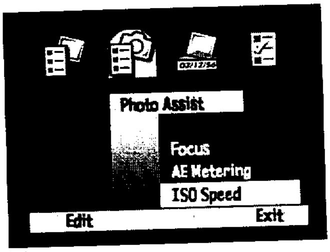
Set ISO speed automatically according to conditions of taking photos.

◆ ISO 100

It is possible to take photos with high quality, but the exposure time is increased.
It is suitable for taking pictures of landscapes.

◆ ISO 200

Exposure time is short, but the quality of the photos is deteriorated.
It is suitable for taking sports pictures with movement, as well as night view pictures.



[Photo Assist] menu

1 Displaying [ISO Speed] screen

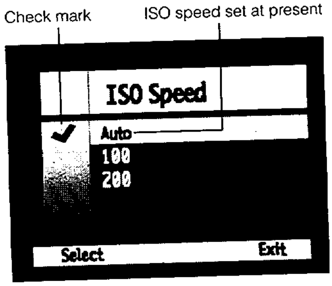
①Turn the power supply and turn the mode dial to the Capture Mode symbol.

②If the menu button is pressed, the [Capture Settings] menu will be displayed.

③If the right arrow on the four-way controller is pressed, the [Photo Assist] menu will be displayed.

④If the down arrow on the four-way controller is pressed five times, [ISO Speed] will be displayed in highlighted text.

⑤Press the left soft key to select [Edit].
[ISO Speed] will be displayed.



[ISO Speed] screen

2 [ISO Speed] setting

①Press the up and down arrows on the four-way controller to display ISO Speed to be set in highlighted text.

②Press the left soft key to select the soft menu [Select].
The selected ISO speed is set and the [Photo Assist] menu will be displayed.

③Press the right soft key to select the soft menu [Exit] and capture status will be restored.

Stamping Date & Time And Text On A Picture

Using the [Image Stamp] menu, you can stamp a date, letters, and a logo (a logo file is saved in the memory card) on a picture that has been taken.

Reference

Once the date and time or texts are stamped on a picture, you cannot delete just them, because they have been captured together with images.

- Stamping date and time p.62

  Set a type, position, background of letters, color of letters, and background color of the date and time.

- Stamping text p.64

  Set input style, position, background for letters, color of letters, and background color for text.

- Stamping a logo p.68

  Retrieve a logo file saved in a memory card and set the position to be stamped. But, this function can not be used at present.

How to set the date and time of shooting to be stamped on a picture - Date and Time

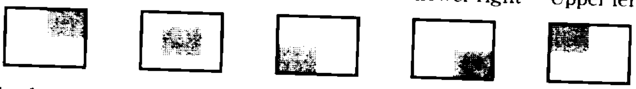
You can stamp the date and time of shooting on a picture.

- Format of date to be stamped [Type]

month/day/year, hours:minutes	[Date] month/day/year	[Time] hours:minutes	[None] No stamp

- Stamping position [Placement]

Upper right   Center   Lower left   Lower right   Upper left



- Type of background for the date and time [Transparency]

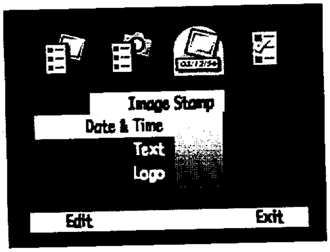
[Opaque] Background is provided for the date and time	[Semi] A semi clear background is provided	[Clear] No background of date and time

- Color of the date and time to be stamped

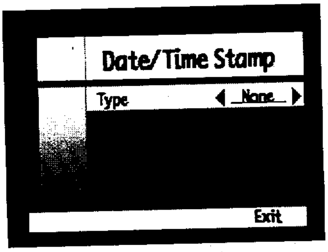
Red	Green	Blue	Cyan	Magenta	Yellow	Black	White

- Color of the background, if the background is provided

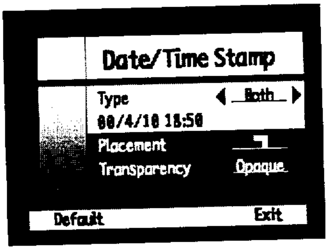
Red	Green	Blue	Cyan	Magenta	Yellow	Black	White



[Image Stamp] menu



[Date/Time Stamp] screen before set-up



[Date/Time Stamp] screen after set-up

1 Show [Date/Time Stamp] screen

①Turn on the power supply and set the mode dial to the shooting mode mark.

②Press the menu button, and the [Capture Settings] menu appears.

③Press the right arrow of the four-way controller twice, and the [Image Stamp] menu appears.

④While [Date & Time] is displayed in highlighted text, press the left soft key to select [Edit] on the soft menu. [Date/Time Stamp] screen is then displayed.

2 Setting the stamping format of date and time

①While [None] is displayed in highlighted text, press the right and left arrows of the four-way controller to indicate the type of date and time to be stamped.

②Press the lower arrow of the four-way controller, and [Placement] is then displayed in highlighted text.

③Press the right and left arrows of the four-way controller to select a stamping position.

④Repeat the same procedure until the background of letters, the color of letters and the background color are selected.

⑤After setting up the necessary items, press the right soft key to select [Exit] on the soft menu, and the [Image Stamp] menu appears.

Reference

If you want to resume the initial state, press the left soft key to select [Default] on the soft menu.

⑥Press the right soft key to select [Exit] on the soft menu. Now you can stamp the date and time on a picture according to the settings.

◆ Type

You can set the type of the date and time to be stamped. Use the right and left arrows of the four-way controller for selection.

[Date & Time] ... Both [date] (month/day/year) and [time] (hours: minutes) are stamped.
[Date] .... Only [date] (month/day/year) is stamped.
[Time] .... Only [time] (hours : minutes) is stamped.
[None] .... Neither [date] nor [time] is stamped.

Reference

Changing the display format of Z{ãDe] or [Time]

If you want to change the order of year, month, and day of the date (i.e., month/day/year, year/month/day, etc.) to be stamped, or the indication of time (i.e., 12-hour or 24-hour indication), go to the [Set Up Date and Time] screen. ☞ p.74

◆ Placement

You can set the position of the date to be stamped. Use the right and left arrows of the four-way controller for selection. Each time you press the right arrow, the following stamping position options will be displayed in this order:

[Upper Right] → [Center] → [Lower Left] → [Lower Right] → [Upper Left]

◆ Background of Letters

When stamping the date and time on a picture, you can decide how the image corresponding to the date and time to be stamped is handled. Use the right and left arrows of the four-way controller for selection.

[Opaque] .. Background (or background color) is provided for the date to be stamped on a picture.

[Semi] ..... A semi clear background (or background color) is provided for the date to be stamped on a picture.

[Clear] ...... No background (or background color) is provided for the date to be stamped on a picture.

◆ Color of Letters

You can set the color of the date to be stamped. Use the right and left arrows of the four-way controller for selection. Each time you press the right arrow, the following choice of colors to be set will be displayed in this order:

[Red] → [Green] → [Blue] → [Cyan] → [Magenta] → [Yellow] → [Black] → [White]

◆ Background color

When you select [Background] for the background of letters, you can set the background color of the date. Use the right and left arrows of the four-way controller for selection. Each time you press the right arrow, the following choice of colors to be set will be displayed in this order:

[Red] → [Green] → [Blue] → [Cyan] → [Magenta] → [Yellow] → [Black] → [White]

How to set your favorite phrase to be stamped on a picture - Text

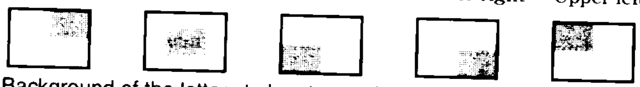
You can stamp your favorite phrase, such as names of a person or a place, on a picture.

◆ Enter letters to be stamped - text stamp

[A]: Capital Letters	[a]: Small Letters	[1] numbers	[%] symbols
[À] European characters			

◆ Stamping Position - Placement

Upper right   Center   Lower left   Lower right   Upper left



◆ Type of Background of the letters to be stamped - Transparency

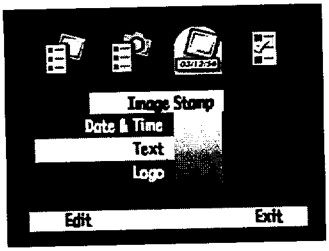
[Opaque]	[Semi]	[Clear]

◆ Color of the input letters to be stamped

Red	Green	Blue	Cyan	Magenta	Yellow	Black	White

◆ Background color, if a background is provided.

Red	Green	Blue	Cyan	Magenta	Yellow	Black	White



[Image Stamp] menu

1 Show [Image Stamp] screen

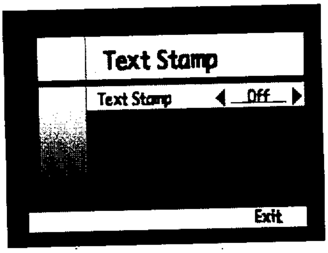
①Turn on the power supply and set the mode dial to the capture mode mark.

②Press the menu button, and the [Capture Settings] menu appears.

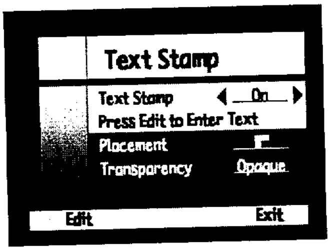
③Press the right arrow of the four-way controller twice, and the [Image Stamp] menu appears.

④Press the lower arrow of the four-way controller, and [Text] is displayed in highlighted text.

⑤Press the left soft key to select [Edit] on the soft menu. The [Text Stamp] screen is then displayed.

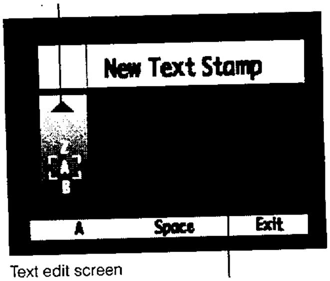


[Text Stamp] screen before input



Screen with the stamp text function being [On]

List of letters to be input



Text edit screen

Display area of input letters

2 Enter letters to be stamped

①If the left and right arrows on the four-way controller are pressed while the text stamp [Off] is displayed in highlighted text, the text stamp [On] will be displayed in highlighted text.

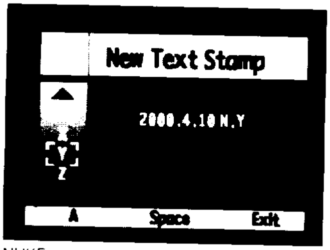
②Press the left soft key to select the soft menu [Edit].

③Press the left soft key to select the type of letters to be input.

◆ Available types of letters to be input

It is possible to display a list of the following types of letters to be input by pressing the left soft key.

[A] .... Capital Letters
[a] .... Small Letters
[1] .... numbers (1...0)
[%] ... symbols (/,&,#,etc.)
[À] .... European characters



NUKE

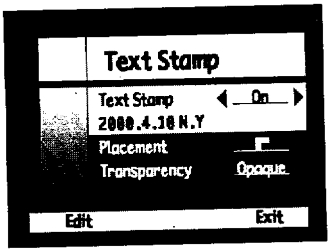
④ Press the right soft key to select [Exit] on the soft menu.
You can now stamp input letters on a picture according to the settings.
Press the up and down arrows on the four-way controller to place the letter to be input in the frame [ ].

⑤ The right arrow on the four-way controller is pressed, letters will be displayed on the display area for input letters.

Reference

- If you want to delete the letters displayed on the display area for input letters, press the left arrow on the four-way controller to delete the last letter input.
- Press the center soft key to input a space.

⑥ After inputting letters on the pictures, press the right soft key to select the soft menu [Exit].



[Text Stamp] screen after setting

3 Setting the stamping format

①Press the down arrow of the four-way controller while the text stamp [On] is displayed in highlight text and input letters are displayed. [Placement] is displayed in highlighted text.

②Press the right and left arrows of the four-way controller to select stamping position.

③Repeat the same procedure until the background of letters, the color of the letters and the background color are selected.

④After setting up the necessary items, press the right soft key to select [Exit] on the soft menu, and the [Image Stamp] menu is displayed.

Reference

If you want to resume the initial state, press the left soft key to select [Default] on the soft menu.

⑤Press the right soft key to select [Exit] on the soft menu. You can now stamp input letters on a picture according to the settings.

◆ Position

You can set the position of the input letters to be stamped. Use the right and left arrows of the four-way controller for selection. Each time you press the right arrow, the following stamping position options will be displayed in this order:
[Upper Right] → [Center] → [Lower Left] → [Lower Right] → [Upper Left]

◆ Background of Letters (Transparency)

When stamping letters on a picture, you can decide how the image corresponding to the input letters to be stamped is handled. Use the right and left arrows of the four-way controller for selection.

[Opaque] .. Background (or background color) is provided for the input letters to be stamped on a picture.
[Semi] .... A semi-transparent background (or background color) is provided for the input letters to be stamped on a picture.
[Clear] ...... No background (or background color) is provided for the input letters on a picture (i.e., only the letters are stamped).

◆ Color of Letters

You can set the color of the letters to be stamped. Use the right and left arrows of the four-way controller for selection. Each time you press the right arrow, the following choice of colors to be set will be displayed in this order:
[Red] → [Green] → [Blue] → [Cyan] → [Magenta] → [Yellow] → [Black] → [White]

◆ Background color

When you select [Clear] for the background of letters, you can set the background color of the letters. Use the right and left arrows of the four-way controller for selection. Each time you press the right arrow, the following choice of colors to be set will be displayed in this order:
[Red] → [Green] → [Blue] → [Cyan] → [Magenta] → [Yellow] → [Black] → [White]

How to set a logo to be stamped on a picture - Logo

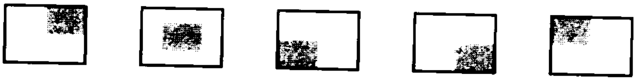
You can stamp a logo saved in the memory card on a picture.
A logo file is not attached with when the camera has just been purchased, so this function can not be used at present.

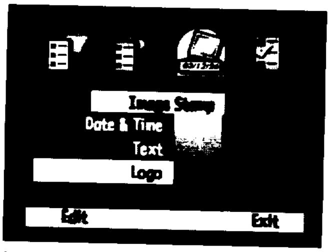
◆ Retrieve the logo file

Retrieve the logo file in the memory card.

◆ Stamping Position

Upper right Center Lower left Lower right Upper left

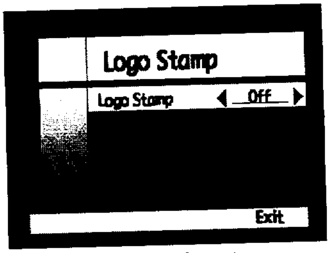




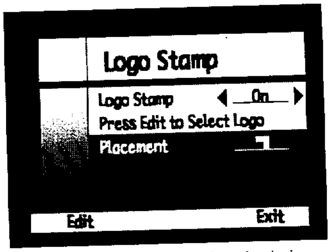
[Image Stamp] menu

1 Show [Logo Stamp] screen.

① Install the memory card containing the logo file.
② Turn on the power supply and set the mode dial to the capture mode mark.
③ Press the menu button, and the [Capture Settings] menu appears.
④ Press the right arrow of the four-way controller twice, and the [Image Stamp] menu appears.
⑤ Press the lower arrow of the four-way controller twice, and [Logo] is displayed in highlighted text.
⑥ Press the left soft key to select [Edit] on the soft menu. The [Logo Stamp] screen is then displayed.



[Logo Stamp] screen before set up



Screen with the stamp logo function being [On]

2 Set the stamping format of the logo

①While the stamp logo function is [Off] and indicated in highlighted text, press the right and left arrows of the four-way controller, and the stamp text function [On] will then be displayed in highlighted text.

②Press the left soft key to select [Edit] on the soft menu, and a logo file screen appears.

③Press the upper and lower arrows of the four-way controller to display a logo file to be stamped in highlighted text.

④Press the left soft key to select [Select] on the soft menu, and a check mark appears beside the file name.

⑤Press the right soft key to select [Exit] on the soft menu, and the selected file name is displayed to indicate the logo stamp.

⑥Press the lower arrow of the four-way controller to display [Placement] in highlighted text.

⑦Press the right and left arrows of the four-way controller to select the logo stamping position.
When you press the right arrow of the four-way controller, the following stamping position options will be displayed in this order:
[Upper right] → [Center] → [Lower Left] → [Lower Right] → [Upper Left]

⑧Press the right soft key to select [Exit] on the soft menu, and [Image Stamp] menu appears.

Reference

If you want to resume the initial state, press the left soft key to select [Default] on the soft menu.

⑨Press the right soft key to select [Exit].
You can now stamp the logo on a picture according to the settings.

Changing The Settings Of Functions Of The Camera

Setting the brightness of LCD monitor, playback volume of the sound, and numbering of the pictures.

- Changing the display of the LCD monitor. ☞ p.70
  Setting the brightness of the screen, display duration of the Instant Review screen, whether the Live View screen is displayed while a picture is taken, and the time until the system shifts to the sleep timeout state.
- Changing the playback volume and function sound. ☞ p.72
  Setting the playback volume of recorded sound and presence of system sounds such as sounds emitted when the camera is operated a first time or the shutter is released.
- Erasing all the data in the memory card. ☞ p.74
  Erasing all the data stored in the memory card.
- Setting the PC connect mode ☞ p.125
  When connecting this camera to a PC using a USB cable, set whether to have the PC recognize this camera as one of the disc drives of the PC, or to let it operate using soft ware called Digita Desktop which is installed in the PC.
- Correcting date and changing the display mode of the date. ☞ p.74
- Setting the method for numbering pictures. ☞ p.76
  Setting whether the numbering starts from [1] each time a blank memory card is set or the number of times the shutter is released from the first time the camera starts operation is set as an image number (cumulative count) on the picture regardless of the memory card is installed.
- Naming the camera ☞ p.77
  Allocate a name for the owner to the camera.
- Specifying the language to be displayed. ☞ p.79
  Setting a language (English/French/German/Spanish/Italian/Japanese) to be displayed on the menu or as an error message.
- Resetting the settings of the camera to the initial state ☞ p.80
  Resetting the information set to the initial state, except for [Language], [Set date and time], [Video output method].

Changing the display state of the LCD monitor - Display

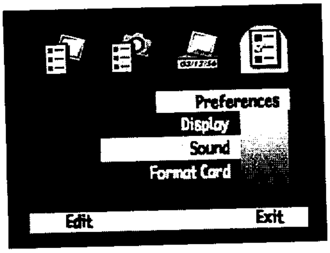
Setting the brightness of the screen, duration for which the Instant Review screen is displayed, and setting whether the Live View screen is displayed when the power is turned on.

◆ Changing the brightness of the screen.
[1](Darkest) ... [4](Standard) ... [7](Brightest)

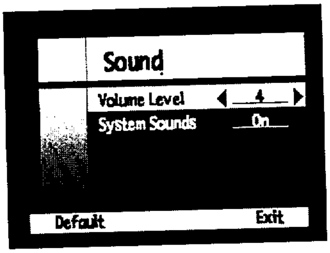
◆ Changing the duration of display of Instant Review screen.
[1 second](Shortest) ... [30 seconds](Longest), OFF(Not displayed)

◆ Displaying the Live View screen when a picture is taken.
[ON] Displayed, [OFF] Not displayed.

◆ Setting the time until the system changes over to the sleep timeout state when the camera is not being operated.
[30 seconds](Shortest) ... [5 minutes](Longest)



[Preferences] menu



Display screen

1 Showing the display screen

①Turn on the power and set the mode dial to the capture mode mark.

②Press the menu button to display the [Capture Settings] menu.

③Press the right key of the four-way controller three times to display the [Preferences] menu.

④While [Display] is highlighted, press the left soft key to select the soft menu [Edit].
The display screen appears.

2 Setting the display of LCD monitor

①While Brightness of screen [4] is highlighted, press the left and right arrows on the four-way controller to select the brightness of the screen of the LCD monitor.

②Press the down arrow on the four-way controller to highlight [Instant Review].

③Press the left and right arrows on the four-way controller to select the time for which Instant Review is displayed.

④Use the same procedure to select [Live View] and [Sleep Timeout].

⑤After setting the required items, pressing the right soft key to select the soft menu [Exit] will return the screen to the [Preferences] menu.

Reference
When resetting the system to the initial state, press the left soft key to select the soft menu [Default].

⑥Press the right soft key to select the soft menu [Exit].
A screen of the contents that are set is displayed on the LCD monitor.

◆ Brightness of the screen

Setting the brightness of LCD monitor. Press the left and right arrows on the four-way controller to set the brightness.

[1] ... Set the brightness of the screen to darkest.
[4] ... Standard brightness of the screen
[7] ... Set the brightness of the screen to brightest.

◆ Instant Review

Setting the display time of the Instant Review (Instantaneous replay of pictures taken) that will be displayed after a picture is taken. Set Instant Review with the left and right arrows on the four-way controller.

[1 sec] - [10 sec] ... It is possible to set the time by one second unit.
[10 sec] - [30 sec] ... It is possible to set the time by 5 seconds unit.
[Off] ... No Instant Review screen is displayed after shooting.

◆ Live View screen

Setting whether the Live View screen is displayed when a picture is taken. Set by pressing the left and right arrows on the four-way controller.

[Off] ... No Live View screen is displayed unless the display button is pressed in capture mode.
[On] ... A Live View screen is displayed when the mode dial is set to capture mode.

Reference

- Please be careful to remember that the battery power will be used up quickly when pictures are taken with the Live View screen displayed.
- Even if the display of the Live View screen is set to [Off] in capture mode, a Live View screen will be automatically displayed when Macro mode (☞ p.33), Manual focus mode (☞ p.59), Aperture priority mode (☞ p.55), or Shutter priority mode (☞ p.55) is set or when each function is set by pressing the menu button.

◆ Sleep timeout

This sets the time until the system automatically changes to the sleep timeout mode when the camera is not being operated and is set by pressing the left and right arrows on the four-way controller.

[30 sec], [1 min], [2 min], [5 min] ... The system changes to the sleep timeout state once the set time has elapsed.

Reference

The power is automatically turned off when further 5 minutes have elapsed after the system has changed over to the sleep timeout state.

Changing the playback volume and function sound - Sound

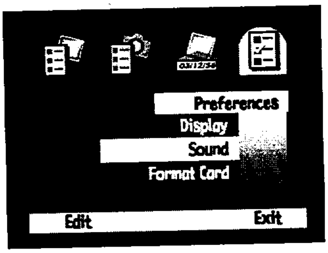
This sets the playback volume, system sound volume, and whether system sounds such as starting sounds and shutter sounds are emitted.

◆ Changing the volume

[1](Smallest) ... [4](Standard) ... [7](Largest)

◆ Presence of system sound

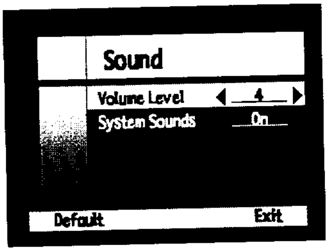
[On] Emitted, [Off] not emitted.



[Preferences] menu

1 Displaying the sound screen

①Turn of the power to set the mode dial to the capture mode mark.
②Press the menu button to display [Capture Settings] menu.
③Press the right key on the four-way controller three times to display [Preferences] menu.
④Press the down arrow on the four-way controller to highlight [Sound].
⑤Press the left soft key to select the soft menu [Edit].
A sound screen appears on the display.



Sound screen

2 Setting the volume and whether or not the system sound is signaled

①While Volume [4] is highlighted, press the left and right arrows on the four-way controller to select the volume.
The volume is a volume when the recorded sound is replayed or a volume of system sound.
[1] ... Sets the volume lowest.
[4] ... Standard volume
[7] ... Sets the volume largest.
②Press the down arrow on the four-way controller to highlight [System Sounds].
③Press the left and right arrows on the four-way controller to select whether or not system sounds are emitted.
Setting the system sound accompanying the operation such as starting sound or shutter sound.
[Off] ... No operation sound is signaled.
[On] ... Operation sound is signaled.
④Pressing the right soft key to select the soft menu [Exit] will return the system to [Preferences] menu screen.

Reference
When resetting the system to the initial state, press the left soft key to select the soft menu [Default].

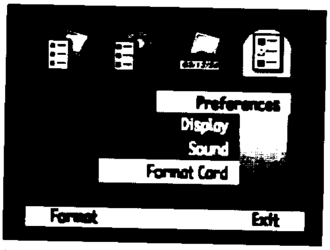
⑤Press the right soft key to select the soft menu [Exit].
The volume is adjusted to the set contents.

Erasing all the data in the memory card - Formatting the card

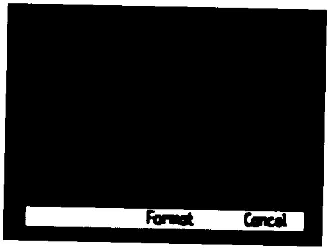
Erasing all the data stored in the memory card

Reference

- Do not remove the memory card while formatting. Doing so may damage the memory card and can not be used again.
- If this operation is performed, all the protected pictures are erased. Be sure to backup the required pictures on a PC.



[Preferences] setting menu



1 Formatting the card

(1) Set the memory card to be formatted.

(2) Turn on the power to set the mode dial to the capture mode mark.

(3) Press the menu button to display [Capture Settings] menu.

(4) Press the right key on the four-way controller three times to highlight the [Preferences] menu.

(5) Press the down arrow on the four-way controller twice to highlight [Format Card].

(6) Press the left soft key to select the soft menu [Format]. A format confirmation screen will appear on the display.

(7) When formatting, press the middle soft key to select the soft menu [Format].
When canceling the format, press the right soft key to select the soft menu [Cancel].

Setting the display mode of the date - Set date and time

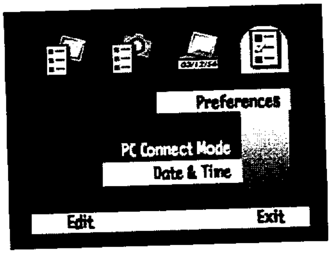
Changing the display mode of the date

Reference

For the method of correcting the date, refer to [Setup guide].

◆ **Setting the display mode**

Month/Day/Year 24-hour display, Day/Month/Year 24-hour display, Day/Month/Year 12-hour display, Year/Month/Day 24-hour display, Year/Month/Day 12-hour display



[Preferences] menu

1 Displaying the set date and time screen

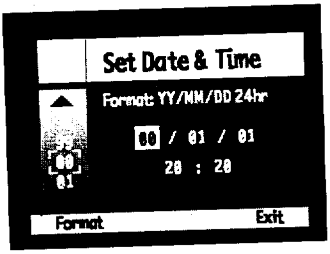
①Turn on the power to set the mode dial to the capture mode mark.

②Press the menu button to display [Capture Settings] menu.

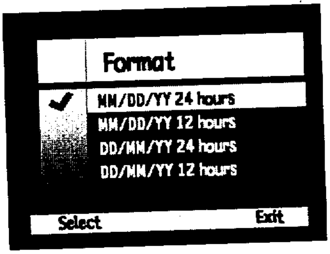
③Press the right key on the four-way controller three times to display the [Preferences] menu.

④Press the down arrow on the four-way controller four times to highlight [Date & Time].

⑤Press the left soft key to select the soft menu [Edit].
A set date and time screen appears on the display.



Set date and time screen
Currently set display mode



Mode screen

2 Setting the display mode

①Press the left soft menu on the set date and time screen to select the soft menu [Format].
The [Format] screen appears on the display. The item with check mark is the currently set display mode.

②Press the down arrow on the four-way controller to highlight the display mode to be set.

③Press the left soft key to select the soft menu [Select].
A selected display mode is set, with the set date and time screen displayed.

④Pressing the right soft key to select the soft menu [Exit] will return the system to [Preferences] menu screen.

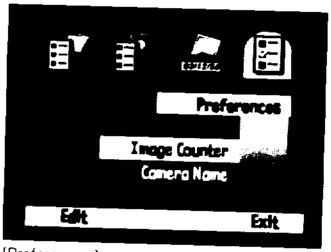
⑤Press the right soft key to select the soft menu [Exit].
The date is displayed with set contents.

Setting the method for numbering pictures - Image numbering method

Set whether the numbering is started from [1] each time when a blank memory card is installed or the number of times the shutter has been released from the first time when the camera is operated is set as an image number (cumulative count) on the picture regardless of the memory card installed.

◆ Setting the method of numbering the pictures

Reset the count when the memory card is blank (pictures are numbered from 1 by each memory card), cumulative count (the pictures taken with this camera are numbered serially)



[Preferences] menu

1 Displaying the image numbering method screen

① Turn on the power to set the mode dial to the capture mode mark..

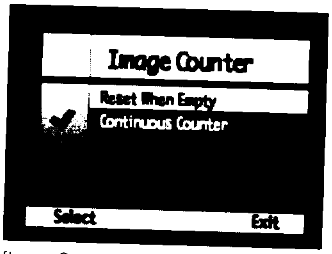
② Press the menu button to display [Capture settings] menu.

③ Press the right key on the four-way controller three times to display the [Preferences] menu.

④ Press the down arrow on the four-way controller five times to highlight [Image Counter].

⑤ Press the left soft key to select the soft menu [Edit].

The [Image Counter] screen appears on the display.



[Image Counter] screen.

2 Setting the numbering method

① Press the down arrow on the four-way controller to highlight the picture numbering method to be set.

[Reset When Empty] ... Each time a blank memory card where no images are recorded is installed, the stored pictures are numbered from [1].

[Continues Counter] ... The number of times the shutter is released from the first time the camera is operated is set as an image number (cumulative count) on the picture regardless of the memory card installed.

② Press the left soft key to select the soft menu [Select].

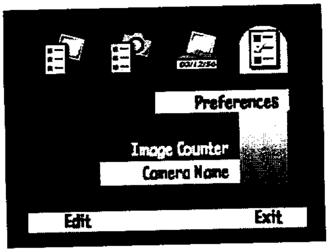
The Preferences menu is displayed, with the selected method being set.

③ Press the right soft key to select the soft menu [Exit].

The pictures are numbered with the method set.

Naming the camera - Camera name

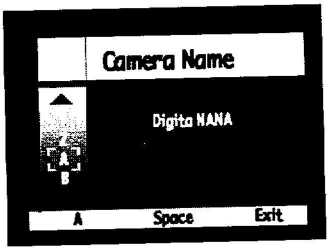
Allocating an owner name to the camera.



[Preferences] menu

1 Displaying the camera name screen

①Turn on the power to set the mode dial to the capture mode mark.
②Press the menu button to display the [Capture Settings] menu.
③Press the right key on the four-way controller three times to display the [Preferences] menu.
④Press the down arrow six times to highlight [Camera Name].
⑤Press the left soft key to select the soft menu [Edit].
The [Camera Name] screen appears on the display.



[Camera Name] screen.

2 Entering a camera name

①When erasing the already entered characters, press the left key on the four-way controller to erase the characters one by one.

Reference
In the initial state, [Digital Camera] is displayed.

②Press the left soft key to select the type of the characters to be entered.

◆ The types of the characters that can be entered.
Pressing the left soft key makes it possible to show the following overview of the characters.
[1] ... Numeric characters (1 - 0)
[A] ... Uppercase letter (A - Z)
[a] ... Lowercase letter (a - z)
[%] ... Symbol (!, No., $, %, &, etc.)
[À] ... European character

③ Press the up and down arrows on the four-way controller to match [ ] to the character to be entered.

④ Press the right key on the four-way controller to display the character on the input character display area.

Reference

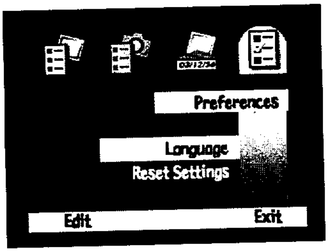
When entering a space, press the center soft key.

⑤ Pressing the right soft key to select the soft menu [Exit] after entering a camera name will return the system to the [Preferences] menu.

The entered camera name is registered.

Specifying the language displayed - Language

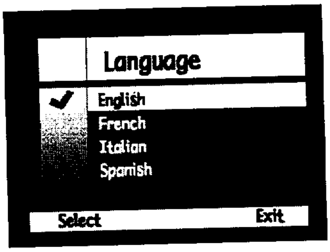
This sets the language (English/German/French/Spanish/Italian/Japanese) to be displayed on the menu or as an error message.



[Preferences] menu

1 Displaying the [Language] screen

①Turn on the power to set the mode dial to the capture mode mark.
②Press the menu button to display the [Capture Settings] menu.
③Press the right key on the four-way controller three times to display the [Preferences] menu.
④Press the down arrow on the four-way controller seven times to highlight the [Language] menu.
⑤Press the left soft key to select the soft menu [Edit].
The [Language] screen appears on the display.



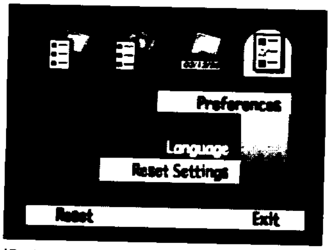
[Language] screen

2 Setting the [Language]

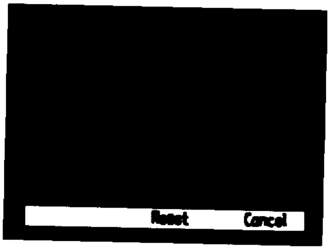
①Press the down arrow on the four-way controller to highlight the language to be set.
[English] ... A menu or message is displayed in English.
②Pressing the left soft key to select the soft menu [Select] will return the system to the [Preferences] menu.
③Press the right soft key to select the soft menu [Exit].
A menu or message is displayed in the language set.

Resetting the setting of the camera to the initial state - All reset

Resetting the set information to the initial state.



[Preferences] menu



Reset confirmation screen

1 Resetting the setting to the initial state

① Turn on the power to set the mode dial to the capture mode mark.

② Press the menu button to display the [Capture Settings] menu.

③ Press the right key on the four-way controller three times to display the [Preferences] menu.

④ Press the down arrow on the four-way controller eight times to highlight [Reset Settings].

⑤ Press the left soft key to select the soft menu [Reset].
The reset confirmation screen appears on the display.

2 Resetting the setting to the initial state

① When resetting the information set to the initial state except for [Language], [Set date and time], [Video output method], press the center soft key to select the soft menu [Reset].
The Preferences menu is displayed, with the set information reset to the initial state.
When canceling the operation, press the right soft key to select the soft menu [Cancel], with the Preferences menu displayed.

Reference

Even if the reset setting function is operated, the setting information for [Language], [Set date and time], and [Video output format] will not be reset.

② Press the right soft key to select the soft menu [Exit].

Application For Review Mode Function

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Continuous Play With Automatic Switching 84

Displaying picture as slideshow (Continuous play) 85

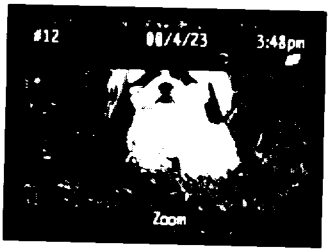
Playing pictures taken in Timelapse Shooting Mode or pictures grouped continuously and automatically. 88

Playing Pictures One By One

Play the pictures saved in the memory card one by one.

Reference

Please refer to the basic operation [Presenting pictures on a television] (☞ p.20) regarding how to play on a TV monitor. This description will explain only the way to play pictures on the LCD monitor of the camera.



1 Displaying presentation screen

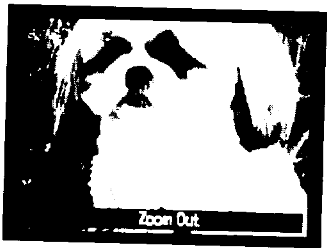
(1) Set the memory card saving pictures you wish to play.

(2) Turn on the power supply and turn the mode dial to the Presentation Mode (▣).
The presentation screen will be displayed.

(3) If the right arrow on four-way controller is pressed, the next picture will be displayed.

Reference

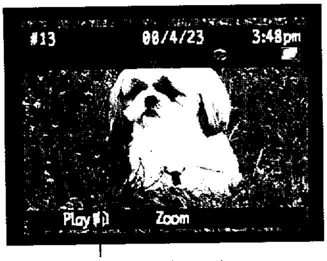
Press the right soft key to select the menu [Expand] to display stored pictures taken in the timelapse mode or grouped pictures.



2 Picture enlargement

(1) If the soft menu [Zoom] is selected by pressing the middle soft key, pictures will be enlarged.
It is possible to see the parts of the enlarged picture out of the screen by scrolling the up, down, left and right arrows on four-way controller.

(2) Select the soft menu [Zoom Out] by pressing the middle soft key to return to the initial display.



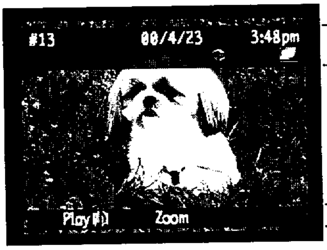
When there is recorded sound:

3 Sound play

①If there is recorded sound, and the soft menu [Play] by pressing the left soft key, the recorded sounds will be played.

Please Note! Regarding operation on the presentation screen

◆ Information displayed on the presentation screen

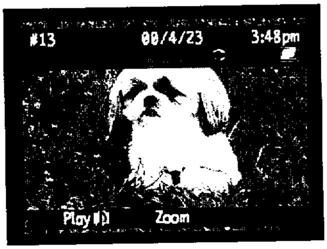


Information display
Image number, the date and time when pictures are taken, symbol mark, capture mode (One Shot Shooting Mode / Continuous Shooting Mode/ Timelapse Shooting Mode).

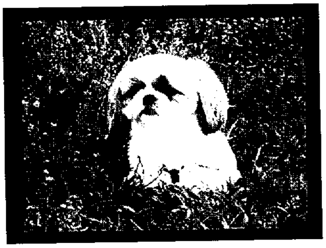
Soft Menu
[Play], [Zoom] or [Expand]/[Collapse] will be displayed.

◆ Switching Display of Presentation Screen

It is possible to switch over whether or not to display the information display and the soft menu.



Displaying the information display and the soft menu.



Canceling display of the information display and the soft menu.

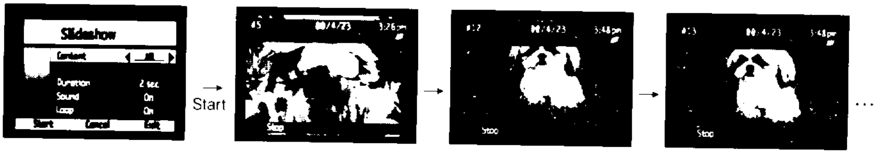
Displaying the soft menu.

Continuous Play With Automatic Switching

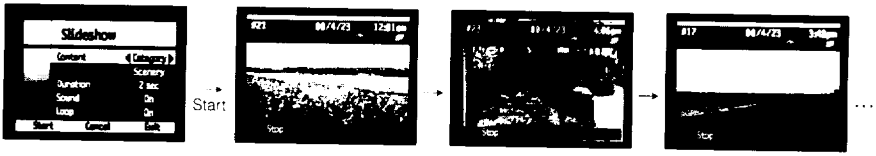
Pictures can be played continuously by (Slideshow) switching over between all and each different category of pictures saved in the memory card automatically or by playing a series of pictures taken in Timelapse Shooting Mode or pictures grouped.

◆ Displaying Picture As Slideshow (Continuous Play) ☞ p.85

Playing all pictures continuously

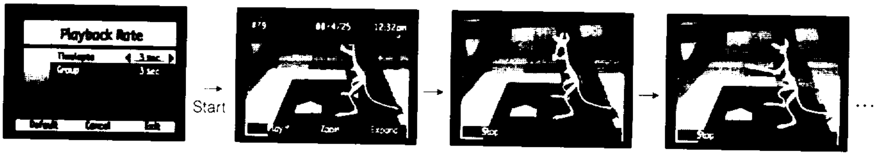


Playing categorized pictures continuously

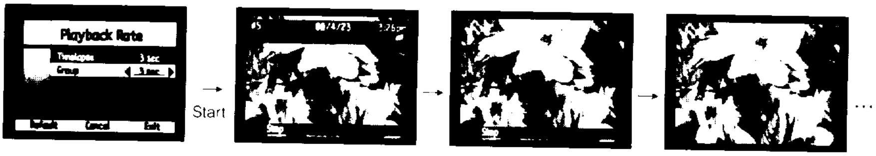


◆ Playing pictures taken in Timelapse Shooting Mode or pictures grouped continuously ☞ p.88

Playing pictures taken in Timelapse Shooting Mode.

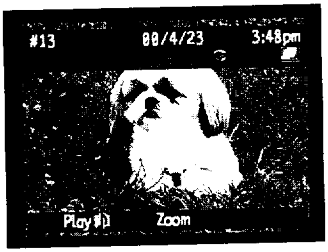


Playing grouped pictures continuously



Displaying picture as slideshow (Continuous play)

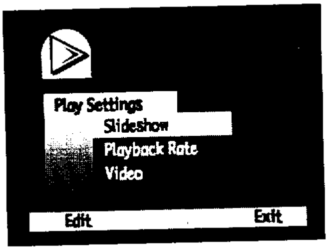
The pictures saved in the memory card can be displayed continuously by all or each different category of pictures.



1 Displaying presentation screen

①Set the memory card saving pictures you hope to see as a slideshow.

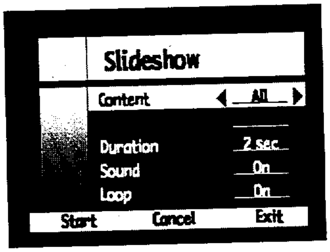
②Turn on the power supply and turn the mode dial to the presentation mode (▣).
The presentation screen will be displayed.



2 Displaying [Slideshow] setting screen

①If the menu button is pressed, the [Play Settings] menu will be displayed.

②Select the soft menu [Edit] by pressing the left soft key while displaying [Slideshow] in highlighted text



3 Setting Item

①Press the up and down arrows on four-way controller to display items to be set in highlighted text.

②Press the left and right arrows on four-way controller to display setting [Content].

◆ Content

Select the [Content] to be played as a slideshow. Press the left and right arrows on four-way controller to select [All] or [Category].

[All] ... playing all pictures in Slideshow saved in the memory card.

[Category] ... playing pictures only with assigned category (symbol) as a slideshow. After selecting [Category], press the down arrow on four-way controller to move the cursor to the category setting column and press the left and right arrows on four-way controller to select a particular category.

◆ Duration

Set [Duration] for playing pictures as a slideshow. Set Duration from 1 to 10 seconds by pressing the left and right arrows on four-way controller. The default setting is 2 seconds.

Reference

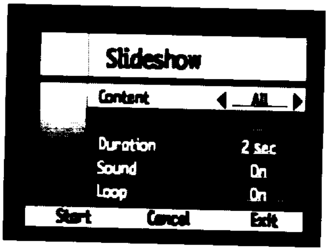
If there is recorded sound, the screen will be switched after the sound are played.

◆ Sound

Set whether or not to play recorded sound or system sound. Press the left and right arrows on four-way controller to select [On] or [Off].

◆ Loop

Set whether or not to repeat playing pictures when finishing to play all pictures designated in [Content]. Press the left and right arrows on four-way controller to select [On] or [Off].



4 Starting up slideshow

① If the soft menu [Start] is selected by pressing the left soft key, the slideshow will be started with the set content.

② If the soft menu [Stop] is selected by pressing the left key, the screen will be return to the [Slideshow] screen and the set can be reset.

Please Note! Regarding the slideshow screen

◆ Information displayed on the slideshow.

Information display
Image NO, the date and time when pictures are taken, symbol mark, capture mode (One Shot Shooting Mode./ Continuous Shooting Mode/ Timelapse Shooting Mode).

Soft Menu
Soft menus will be displayed.

◆ Switching Display of Slideshow

It is possible to switch over whether or not to display the information display and the soft menu.

Displaying the information and the soft menu.

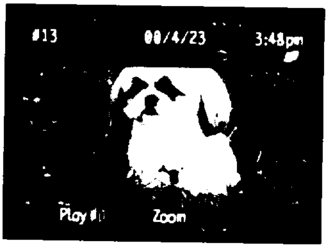
Canceling the information display and the soft menu.

Displaying the soft menu.

Playing pictures taken in Timelapse Shooting Mode or pictures grouped continuously and automatically

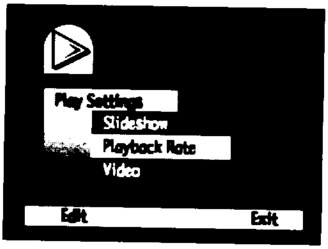
It is possible to play pictures continuously and automatically which are taken in Timelapse Shooting Mode, or pictures grouped by setting the interval for playing pictures.
It is possible to play pictures which are taken in the timelapse shooting mode, or pictures grouped, continuously and automatically one by one differently from the Slideshow function.

Setting Playback Rate



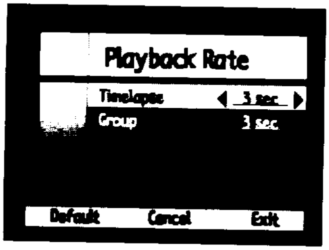
1 Displaying [Presentation Screen]

① Set the memory card saving pictures you wish play.
② Turn on the power supply and turn the mode dial to the presentation mode (▶).
The presentation screen will be displayed.



2 Displaying [Presentation Rate] setting screen

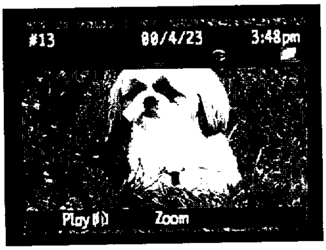
① If the menu button is pressed, [Play Settings] menu will be displayed.
② Press the down arrow on the four-way controller to display [Playback Rate] in highlighted text.
③ If the soft menu [Edit] is selected by pressing the left soft key, [Playback Rate] setting screen will be displayed.



3 Setting [Playback Rate]

① Set playback rate (1-10 seconds) for the pictures taken in the timelapse shooting mode by pressing the left and right arrows on the four-way controller while displaying [Timelapse] on the screen in highlighted text.
② Press the down arrow on the four-way controller to display [Group] in highlighted text.
③ Press the left and right arrows on the four-way controller to set Playback rate (1-10 seconds) for the pictures grouped.
④ If the soft menu [Exit] is selected by pressing the right soft key, [Play Settings] menu will be returned to.
⑤ If the soft menu [Exit] is selected by pressing the right soft key, it is possible to play the pictures taken in the timelapse shooting mode and the pictures grouped at the set playback rate.

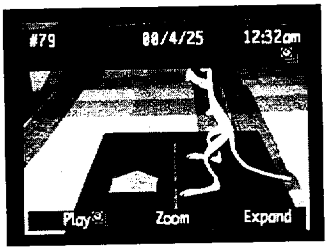
Playing picture taken in mode (Timelapse Shooting Mode and Grouped)



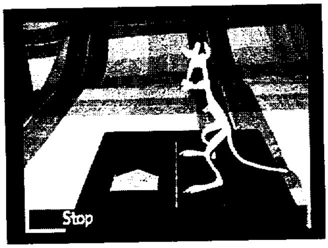
1 Selecting picture

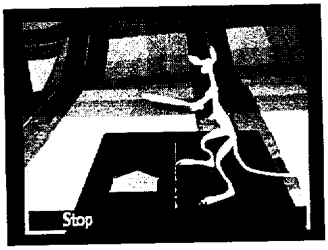
①Set the memory card saving pictures you wish to play.

②Turn on the power supply and turn the mode dial to the presentation mode (▶).
The presentation screen will be displayed.



③Press the left and right arrows on four-way controller to select the pictures taken in the timelapse shooting mode or grouped.



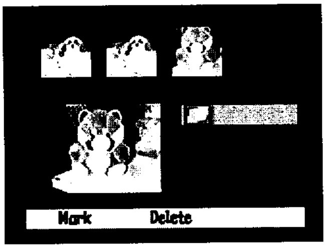


2 Picture presentation

①If the soft menu [Play] is selected by pressing the left soft key, pictures, which taken in the timelapse shooting mode or grouped, will be played automatically at the set playback rate.

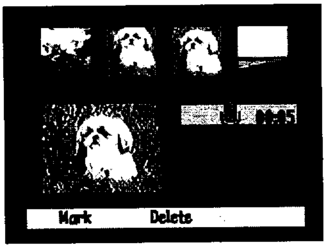
Reference

To cancel playing, press the left soft key to select the soft menu [Stop].



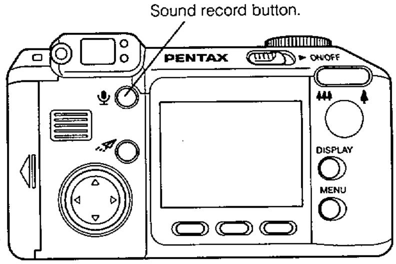
1 Displaying edit screen

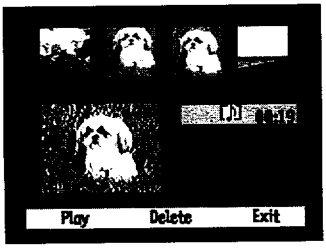
①Install the memory card holding pictures you wish to record.
②Turn on the power supply and turn the mode dial to the review mode (▣).
③The pictures saved in the memory card will be displayed.



2 Sound record

①Press the left and right arrows on the four-way controller to scroll the pictures until the cursor points to the picture for which sound is to be recorded.
②If the sound record button is pressed, a recording will be started.



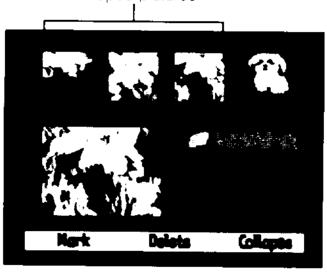


③If the sound record button is pressed again after recording sound, recording will be terminated and a confirmation screen for sound recording will be displayed.
④To confirm the recorded sound, press the left soft key to select the soft menu [Play].
⑤To delete the recorded sound, press the center soft key to select the soft menu [Delete].

Collapse/expanded pictures

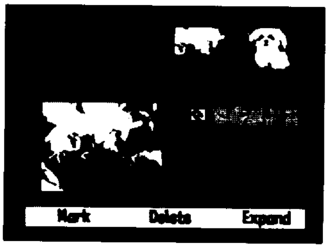
It is possible to display the pictures taken in the continuous shooting mode, the timelapse shooting mode or the pictures grouped together on the edit screen by displaying the first picture in a group of stored pictures (Collapse) or displaying all stored pictures at once (expand).

Grouped pictures



e.g. If pictures are displayed on the edit screen...

① Scroll the pictures until the cursor points to the pictures taken in the continuous shooting mode or the timelapse shooting mode or the pictures that are grouped together.
[Collapse] will be displayed in the soft menu.

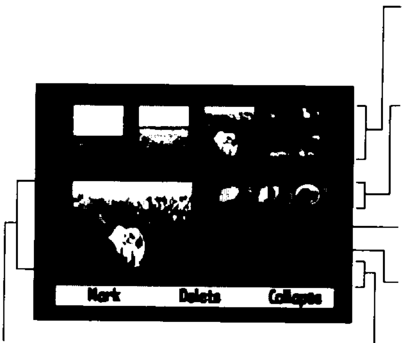


② Press the right soft key to select the soft menu [Collapse].
Pictures displayed will be stored in the first picture.

③ If the soft menu [Expand] is selected by pressing the right soft key, the screen of operation ① will be returned to and the pictures will be expanded.

Please Note! Regarding the edit screen.

Picture information displayed on the edit screen is as follow



The list screen:
Displaying pictures four at a time. Switch the display by pressing the left and right arrows on the four-way controller.

Icon display:
Displaying types of pictures (One Shot Shooting Mode, Continuous Shooting Mode, Timelapse Shooting Mode, pictures that are grouped), sound recording and category information using icons.

Image Number:
Display image numbers

Date & Time:
Display the date and time when pictures are taken.

Setting information:
Display a group name of pictures are collected into a group and a key symbol if pictures are protected

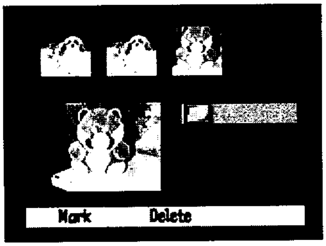
Zoom:
Enlarge pictures selected by the cursor. This function is helpful to find the orientation (vertical or horizontal) of a picture.

Basic Operation For Review Mode

Check the pictures saved in the memory card on a list.
It is possible to record sound for pictures selected with the cursor.

Checking pictures on a list

Check pictures saved in the memory card on a list.

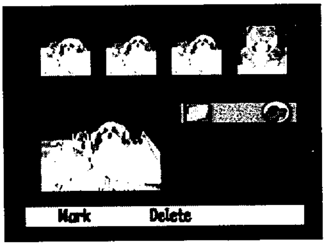


1 Displaying edit screen

①Install the memory card holding pictures you wish to check.

②Turn on the power supply and turn the mode dial to the Review Mode (▣).

③The pictures saved in the memory card will be displayed on the edit screen.



2 Checking picture taken

①If the left arrow on the four-way controller is pressed, each picture will be scrolled in from the left side and displayed.
If the right arrow on the four-way controller is pressed, each picture will be scrolled in from the right side and displayed.

Arranging Picture With Review Mode

Page

Basic Operation For Review Mode

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Making it impossible to delete pictures - Protection 98

Categorizing Pictures

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Group classification - Group 103

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Deleting Picture Taken

It is possible to delete pictures one by one or delete a number of pictures at the same time.It is also possible to protect pictures selected so as not to be deleted.

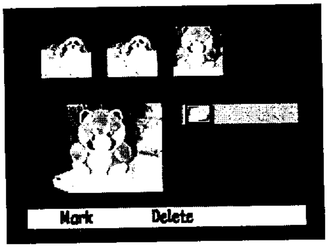
Reference

Please delete all pictures saved in the memory card by referring to [Delete all memory card data -Format Card]. (☞ p.74)

- Deleting pictures taken (☞ p.95)
  Delete pictures selected one by one.
- Deleting selected pictures(☞ p.96)
  Deleting all pictures selected on the edit screen.
- Making it impossible to delete pictures (☞ p.98)
  Protect pictures

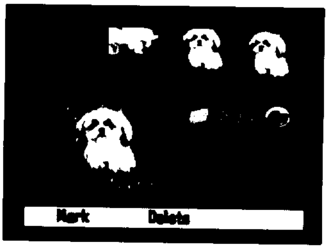
Delete pictures taken one by one

Delete the pictures where the cursor is positioned among pictures displayed on the edit screen.



1 Displaying review screen

①Install the memory card holding pictures you wish to delete.
②Turn on the power supply and turn the mode dial to the review mode (▣).
③Pictures saved in the memory card will be displayed on the review screen.

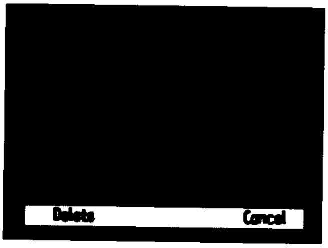


2 Deleting picture

① Press the left and right arrows on the four-way controller so that the cursor points to the pictures to be deleted.

Reference

The pictures protected (with a key symbol at the bottom right of the screen) can not be deleted even if a delete operation is executed.
To delete protected pictures, cancel the protection (☞ p.99) and follow the operations for deleting pictures.

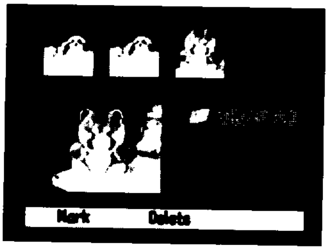


② Press the middle soft key to select the soft menu [Delete].
The screen for confirming whether or not to delete the picture.

③ If the soft menu [Delete] is selected by pressing the left soft key, the pictures where the cursor is positioned will be deleted and the edit screen will be returned to.
To cancel deletion of a picture, press the right soft key to select the soft menu [Cancel].

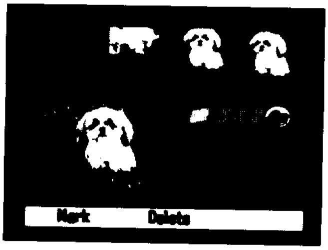
Deleting selected pictures

Delete all of the selected pictures among the pictures displayed on the edit screen.



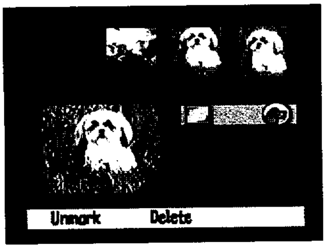
1 Displaying review screen

① Install the memory card holding pictures you wish to delete.
② Turn on the power supply and turn the mode dial to the review mode (▣).
③ The pictures saved in the memory card will be displayed on the review screen.



2 Selecting picture

① Press the left and right arrows on the four-way controller to scroll the pictures until the cursor points to the picture you wish to delete.



②Press the left soft key to select the soft menu [Mark].
The bottom right of the picture selected will be clipped off and [Unmark] will be displayed in the soft menu.

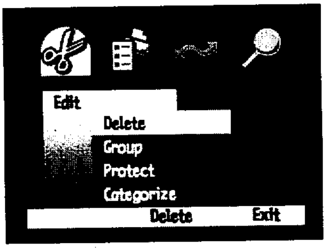
③Select all of the pictures you wish to delete by repeating the above operations.
To unmark the pictures selected once, press the left soft key to select the soft menu [Unmark].

Reference

The protected pictures (with a key symbol at the bottom right of the screen) can be selected but not deleted even if a delete operation is executed.
To delete protected pictures, cancel the protection (☞ p.99) and follow the operations to delete pictures.

Please Note! Selecting or deselecting the pictures altogether

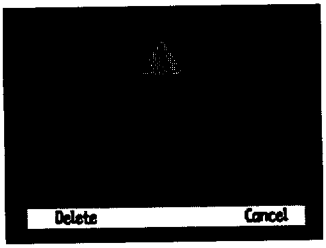
- If you want to select all the pictures at once in an edit screen, press and hold soft menu [Mark] for more than three seconds and release it when the soft menu is changed into [Mark All].
- If you want to deselect all the pictures, on the other hand, press and hold soft menu [Unmark] for more than two seconds and release it when the soft menu is changed into [Dissolve All] .



3 Deleting selected pictures

①If the menu button is pressed, the [Edit] menu will be displayed.

②Press the middle soft key to select the soft menu [Delete] while displaying [Delete] in highlighted text.
The screen for confirming whether or not to delete the selected pictures.



③If the soft menu [Delete] is selected by pressing the left soft key, the selected pictures will be deleted and the edit screen will be returned to.
To cancel a deletion, press the right soft key to select the soft menu [Cancel].

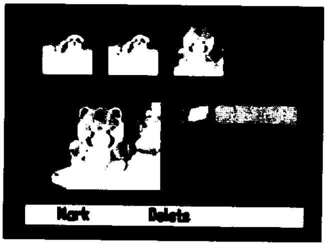
Making it impossible to delete pictures - Protection

Set to protect pictures so that pictures can not be deleted even if operations for deletion are executed.

Reference

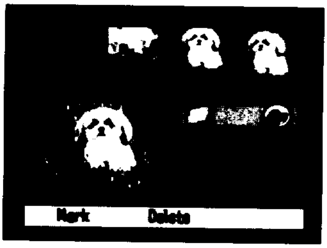
If the memory card is reformatted, protected pictures will be deleted even if they are protection.

Protecting picture



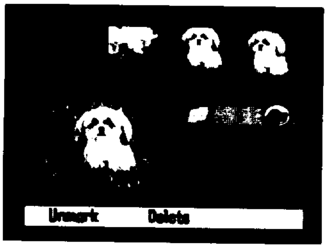
1 Displaying edit screen

(1) Install the memory card holding pictures you wish to protect.
(2) Turn on the power supply and turn the mode dial to the review mode (▣).
(3) The pictures saved in the memory card will be displayed.

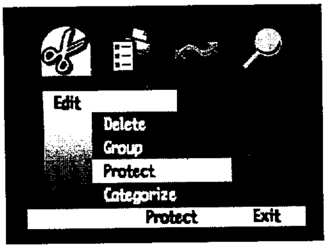


2 Select picture you wish to protect

(1) Press the left and right arrows on the four-way controller so that the cursor points to the pictures you wish to protect.



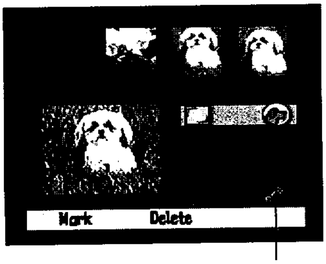
(2) Press the left soft key to select the soft menu [Mark].
The bottom right corner of the pictures selected will be clipped off and [Unmark] will be displayed in the soft menu.
(3) Select all of the pictures you wish to protect by repeating the above operations.
To cancel the pictures selected once, press the soft key to select the soft menu [Unmark].



3 Protecting picture selected

①If the menu button is pressed, the [Edit] menu will be displayed.

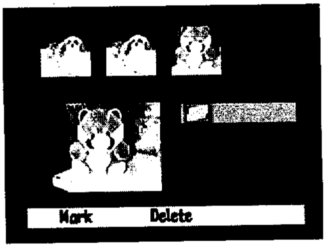
②If the down arrow on the four-way controller is pressed twice, [Protect] will be displayed in highlighted text.



Protection (Key) symbol

③Press the middle soft key to select the soft menu [Protect].
Protection will be set for the selected pictures and the protection symbol (key) will be displayed at the right bottom of the edit screen.

Protection cancellation

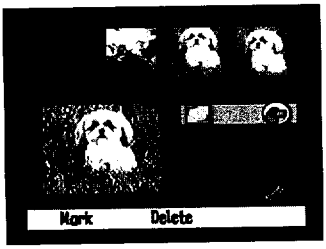


1 Displaying edit screen

①Install the memory card holding the pictures for which you wish to cancel protection.

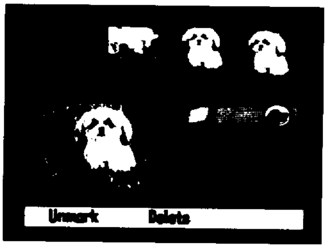
②Turn on the power supply and turn the mode dial to the review mode (▣).

③The pictures saved in the memory card will be displayed on the review screen.



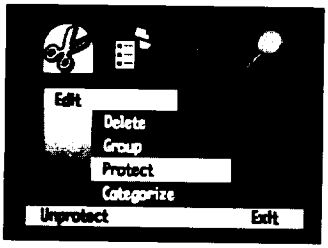
2 Selecting picture for which protection is to be cancelled

①Press the left and right arrows on the four-way controller to scroll the pictures until the cursor points to the picture you wish to cancel protection for.



②Press the left key to select the soft menu [Mark].
The bottom right corner of the picture will be clipped off and [Unmark] will be displayed on the soft menu.

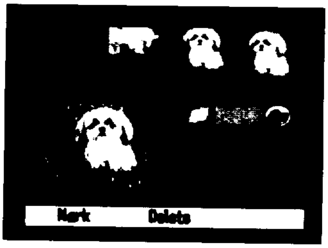
③Select all pictures you wish to cancel protection for by repeating the above operation .
To cancel pictures selected once, press the left soft key to select the soft menu [Unmark].



3 Protection cancellation

①If the menu button is pressed, the [Edit] menu will be displayed.

②If the down arrow on the four-way controller is pressed twice, [Protect] will be displayed in highlighted text.



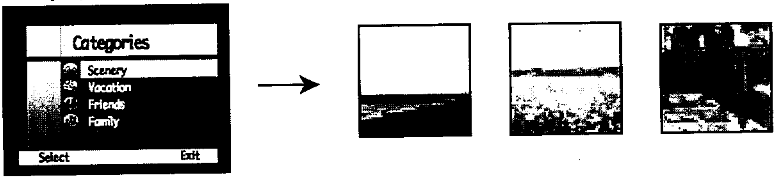
③Press the left soft key to select the soft menu [Unprotect].
The protection of the selected pictures will be canceled and the protection symbol (key) will disappear from the bottom right of the edit screen.

Categorizing Pictures

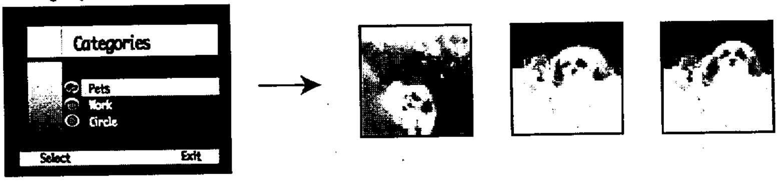
It is possible for pictures saved in the memory card to be classified by being given an icon of that particular category or collected into one group by being given a name.

◆ Classifying pictures by category ☞ p.102

Category- Pictures with [Scenery]

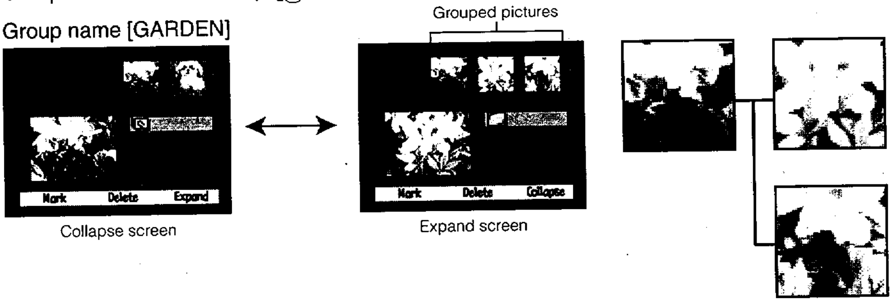


Category-Pictures with [Pets]



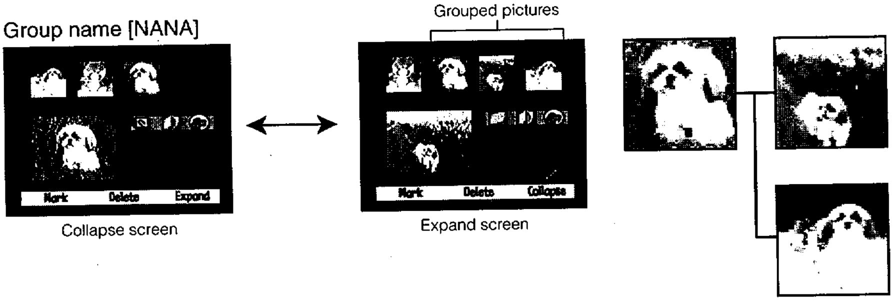
◆ Group classification - Group ☞ p.103

Group name [GARDEN]



Collapse screen   Expand screen

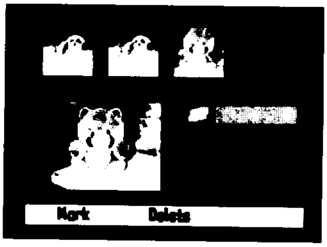
Group name [NANA]



Collapse screen   Expand screen

Classifying pictures by category - Category

Classify pictures saved in the memory card by being given an icon of that particular category.

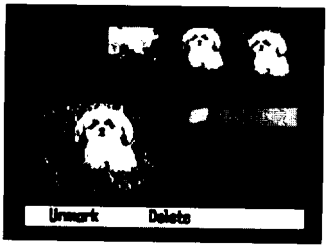


1 Displaying edit screen

① Install the memory card holding the pictures you wish to attach an icon to.

② Turn on the power supply and turn the mode dial to the review mode (▣).

③ Pictures saved in the memory card will be displayed on the edit screen.

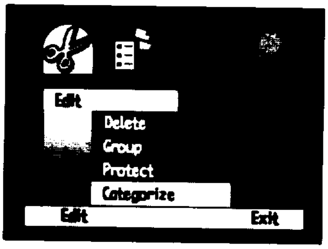


2 Selecting pictures for giving icon

① Press the left and right arrows on the four-way controller to scroll the pictures until the cursor points to the picture you wish to give an icon for.

② Press the left soft key to select the soft menu [Mark]. The bottom right corner will be clipped off and [Unmark] will be displayed on the soft menu.

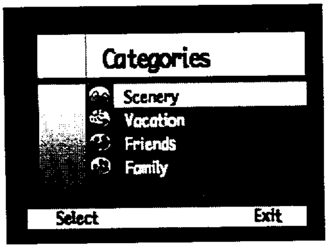
③ Select all pictures you wish to attach an icon to by repeating the above operations.
To cancel the pictures selected once, press the soft key to select the soft menu [Unmark].

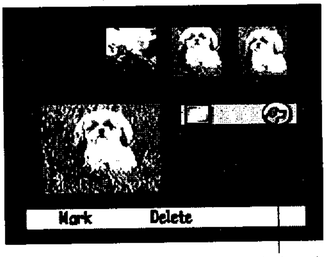


3 Attaching icon to selected pictures

① If the menu button is pressed, the [Edit] menu will be displayed.

② If the down arrow on the four-way controller is pressed three times, [Categorize] will be displayed in highlighted text.





symbol mark

③If the soft menu [Edit] is selected by pressing the left soft key, the [Categorizes] screen will be displayed.

④Press the down arrow on the four-way controller to display the icon to be attached to pictures in high-lighted text.

⑤If the soft menu [Select] is selected by pressing the left soft key, the selected icon will be set on the picture and the edit screen will be returned to.

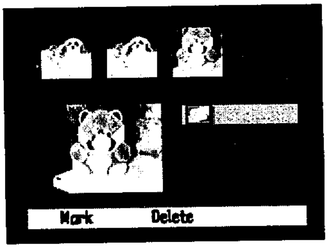
Reference

Pictures to which an icon of an assigned category is attached can be displayed in different categories on the edit screen using the searching operations. (☞ p.112)

Group classification - Group

Pictures saved in the memory card can be collected into one group, assigned a name and saved. It is possible to add pictures taken previously into a registered group or to make a new group to be registered and save the pictures in the new group.

New group registration

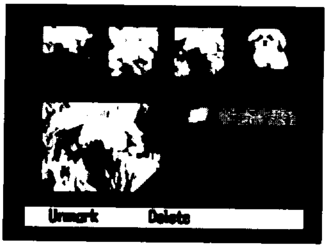


1 Displaying edit screen

①Install the memory card holding pictures you wish to register a group name for.

②Turn on the power supply and turn the mode dial to the review mode (▣).

③Pictures saved in the memory card will be displayed on the edit screen.

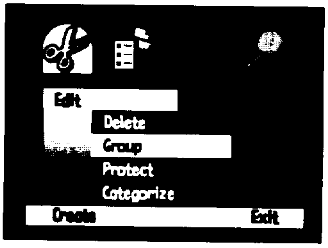


2 Selecting pictures to be assigned a group name

① Press the left and right arrows on the four-way controller to scroll the pictures until the cursor points to the picture you wish to register a group name for.

② Press the left soft key to select the soft menu [Mark].
The bottom right corner will be clipped off and [Unmark] will be displayed in the soft menu.

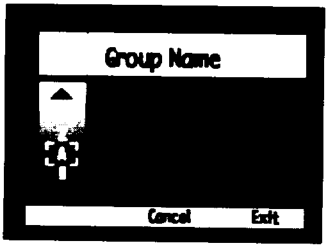
③ Select all pictures you wish to register a group name for by repeating the above operations.
To cancel a picture selected once, press the left soft key to select the soft menu [Unmark].



3 Displaying screen for group name input

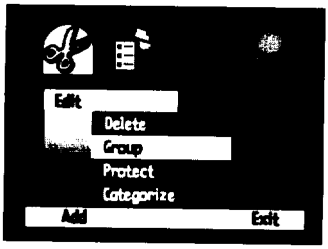
① If the menu button is pressed, the [Edit] menu will be displayed.

② If the down key on the four-way controller is pressed, [Group] will be displayed in highlighted text.



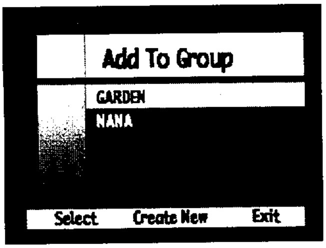
◆ **When inputting a group name for the first time**

③ If the soft menu [Create] is selected by pressing the left soft key, the screen for inputting a [Group name] will be displayed.

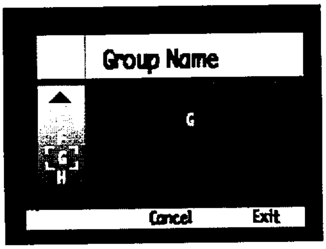


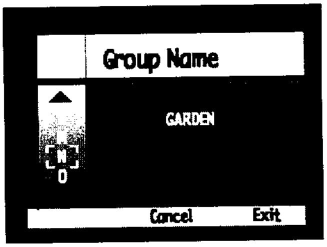
◆ **When registrations of group names are existed**

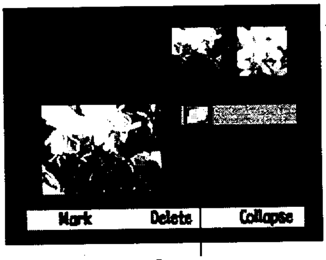
④ If the soft menu [Add] is selected by pressing the left soft key, the screen for [Add To Group] will be displayed.



④If the soft menu [Create New] is selected by pressing the middle soft menu, the screen for inputting a group name will be displayed.







Groupe name

4 Input group name

①Press the up and down arrows on the four-way controller to scroll the characters until the character you wish to input is placed within the frame [ ] and displayed in highlighted text, and press the right arrow on the four-way controller.

The characters displayed in highlighted text will be input.

②Repeat the same operations to input group names.

If characters are input incorrectly, press the left arrow on the four-way controller to delete the last character input.

③After input of group names, press the right soft key to select the soft menu [Exit].

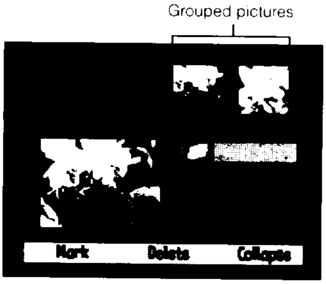
The group name is registered for the selected picture and the [Edit] screen will be returned to.

Reference

When the review mode screen is displayed, if the soft menu [Exit] is selected by pressing the right soft key, the group name is registered for the selected picture and the [Edit] screen will be returned to.

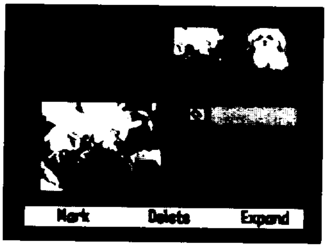
Collapsing expanded pictures

When pictures that are grouped together are displayed on the edit screen, it is possible to display them by collecting all pictures together with the first picture (collapse) or to displaying all stored pictures (Expand).

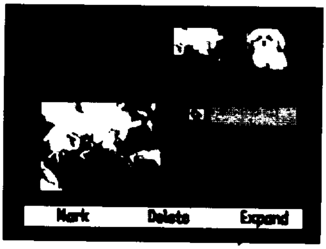


1 Collapsing expanded pictures

(1) Scroll the pictures until the cursor points to the pictures that are grouped together.
[Collapse] will be displayed on the soft menu.

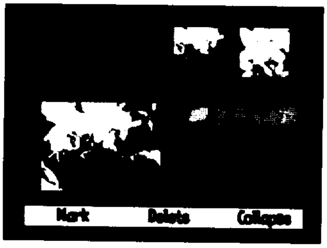


(2) If the soft menu [Collapse] is selected by pressing the right soft key, the expanded pictures will be collapsed to the first picture.



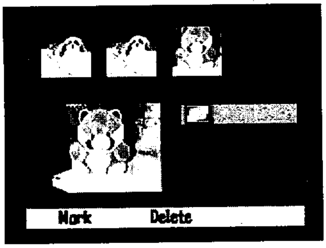
2 Expanding collapsed pictures

(1) Scroll the pictures until the cursor points to the pictures that are grouped together.
[Expand] will be displayed on the soft menu.



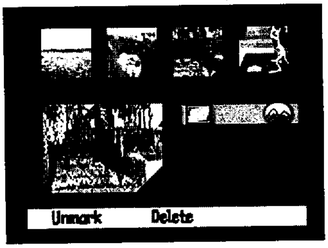
(2) If the soft menu [Expand] is selected by pressing the right soft key, the collapsed pictures will be expanded.

Add pictures into registered group



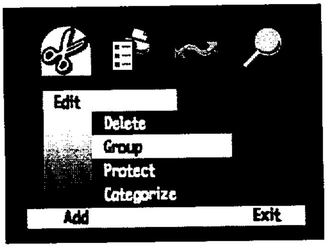
1 Displaying review screen

①Install the memory card holding pictures you wish to add into a group.
②Turn on the power supply and turn the mode dial to the review mode ( ).
③Pictures saved in the memory card will be displayed.



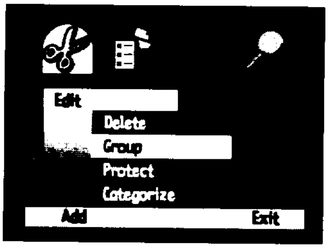
2 Selecting picture to add into group

①Press the left and right arrows on the four-way controller to scroll the pictures until the cursor points to the picture you wish to add into a group.
②Press the left soft key to select the soft menu [Mark].
The bottom right corner will be clipped off and [Unmark] will be displayed on the soft menu.
③Select all pictures you wish to add into a group by repeating the above operations.
To cancel the picture selected once, press the left soft key to select [Unmark] on the soft menu.

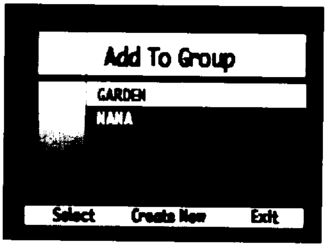


3 Selecting name of group to add to

①If the menu button is pressed, [Edit] will be displayed.

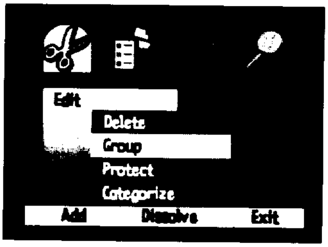


(2) If the down arrow on the four-way controller is pressed. [Group] will be displayed in highlighted text.

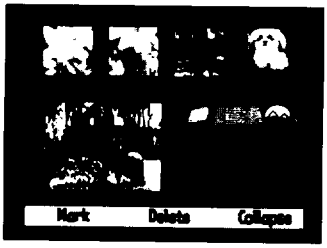


(3) If the soft menu [Add] is selected by pressing the left soft key, the [Add To Group] screen will be displayed.

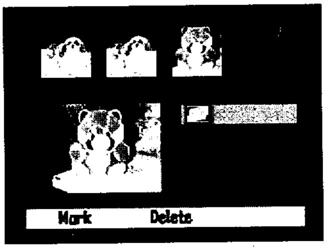
(4) If the group names are scrolled until the cursor points to the name of a group to add to, and the soft menu [Select] is selected by pressing the left soft key, the [Edit] screen will be returned to.



(5) If the soft menu [Exit] is selected by pressing the right soft key, the pictures selected will be added into the designated group.

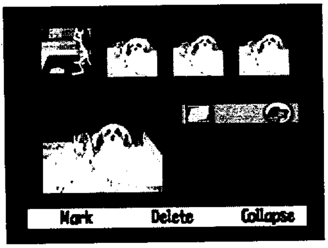


Canceling group



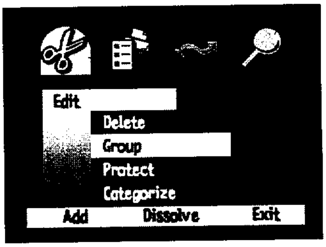
1 Displaying review screen

①Install the memory card holding pictures you wish to add into a group.
②Turn on the power supply and turn the mode dial to the review mode (▣).
③Pictures saved in the memory card will be displayed on the review screen.



2 Selecting a picture to cancel group

①Press the left and right arrows on the four-way controller to scroll the pictures until the cursor points to the picture you wish to cancel the group. By selecting only one picture of the group, you wish to cancel, it is possible to cancel the group.



3 Canceling group

①If the menu button is pressed, the [Edit] menu will be displayed.
②If the down arrow on the four-way controller is pressed, [Group] will be displayed in highlighted text.
If the soft menu [Dissolve] is selected by pressing the center soft key, the selected group will be canceled.

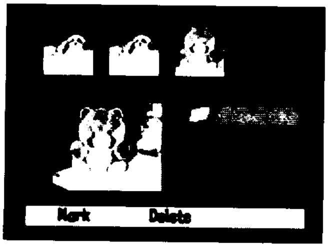
Searching Taken Pictures

It is possible to search and display a picture saved in the memory card by designating date or category (Symbol Icon).

- Searching picture by date
  Display pictures by date.
- Searching picture by category
  Display pictures by symbol icon

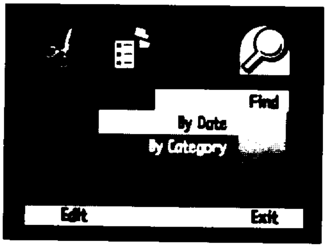
Searching picture by date

It is possible to search and display only pictures taken on designated date from among pictures saved in the memory card.



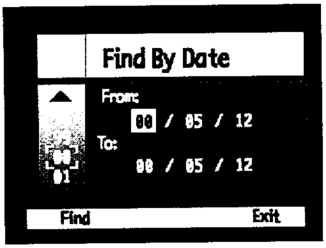
1 Displaying edit screen

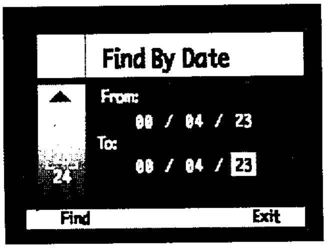
1. Install the memory card holding the pictures you wish to search.
2. Turn on the power supply and turn the dial mode to the review mode (▣).
3. Pictures saved in the memory card will be displayed.



2 Displaying [By Date] setting screen

1. If the menu button is pressed, the [Edit] menu will be displayed.
2. If the right arrow on the four-way controller is pressed three times, the [Find] menu will be displayed and [By Date] will be displayed in highlighted text.
3. If the soft menu [Edit] is selected by pressing the left soft key, the [Find By Date] screen will be displayed.





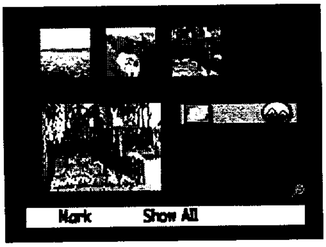
3 Input date to search

①Year of [From] is displayed in highlighted text.
Press the up and down arrows on the four-way controller to designate the year in which the picture was taken.
When it is not necessary to change, press the right arrow on the four-way controller to display [Month] in highlighted text.

②After inputting a day, finish by setting Year/Month/Day in [From] by repeating the above operations.
To designate only one day, input the same year/month/day in both [From] and [To].

Reference

In this operating manual, the method for inputting date is explained only for the initial date display format. A display format of year, month and day can be set by selecting [Date] from the Preferences menu in the Capture mode.



4 Starting search

①Press the left soft key to select the soft menu [Find].
The pictures within the designated date range will be displayed on the search list screen.

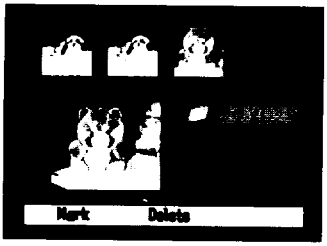
②To display all pictures, press the center soft key to select the soft menu [Show All].
Terminate the search list screen and return to the edit screen.

Reference

It is also possible to perform edit operations on the search list screen in the same way as on the edit screen.

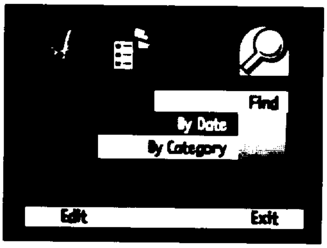
Searching by category

It is possible to search and display pictures by particular categories from among the pictures saved in the memory card.



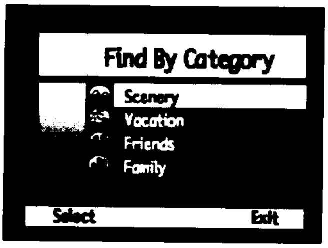
1 Displaying edit screen

1. Install the memory card holding pictures you wish to search.
2. Turn on the power supply and turn the mode dial to the review mode (▣).
3. Pictures saved in the memory card will be displayed.



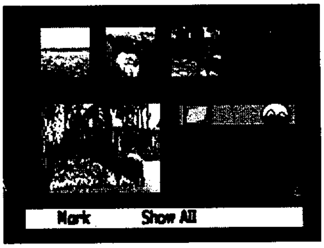
2 Displaying [By Category] setting screen

1. If the menu button is pressed, [Edit] menu will be displayed.
2. If the right arrow on the four-way controller is pressed three times, the [Find] menu will be displayed. If the down key on the four-way controller is then pressed, [Category] will be displayed in highlighted text.
3. If the soft menu [Edit] is selected by pressing the left soft key, the [Find By Category] setting screen will be displayed.



3 Designating category to search

1. Press the down arrow on the four-way controller to display the category you wish to find in highlighted text.



②If the soft menu [Select] is selected by pressing the left soft key, the pictures to which a designated icon of that particular category is attached will be displayed on the search list screen.

③To display all pictures, press the middle soft key to select the soft menu [Show All].

Terminate the search list screen to find pictures and return to the edit screen.

Reference

It is possible to perform edit operations on the search list screen in the same way as on the edit screen.

Printing Or Other Processes Using Other Devices

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Printing The Pictures You Have Taken

Pictures saved in the memory card can be printed as ordered by DPOF compatible printers and a laboratory print service, and can also be directly printed using HP JetSend compatible printers.

Reference

What is DPOF?

DPOF (abbreviation for Digital Print Order Format) is a format needed to record 'print specification information (the picture you want to print, the total number of pictures or date print necessity)' which is needed to print pictures taken by a digital camera, or to have them printed in laboratory service shops.

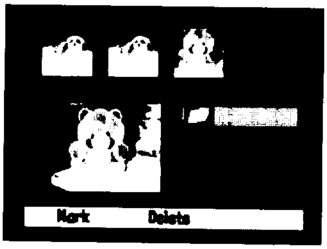
If you save the print specification information on to Memory card in DPOF format, and take it to a DPOF compatible printers or to a laboratory print service, they will be printed as specified in the print order information.

Print order using DPOF compatibility

When having the pictures taken by this camera printed by DPOF compatible printers or by a laboratory print service, pictures to be printed, the total number of pictures and type of print (index print or standard print) can be set, and the above information can be saved on the memory card. It is also possible to check and delete the print order information.

Print order using DPOF compatibility

Specify which picture you would like to be printed and the total number of pictures, and type of print (index print or standard print), and save the information on the memory card.

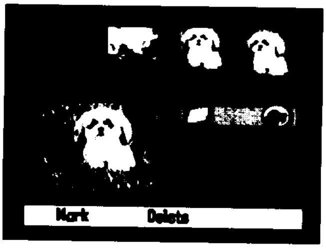


1 Displaying edit screen

(1) Install the memory card on which the pictures to be printed are saved.

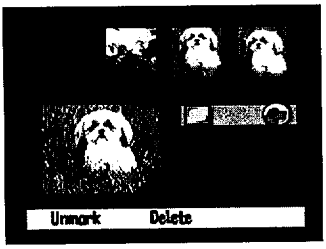
(2) Turn on the power supply and turn the mode dial to select review mode (▣).

Pictures saved on the memory card will be displayed on the edit screen.



2 Selecting a picture

(1) Press the left and right arrows on the four-way controller and scroll the pictures until the cursor points to the picture to be selected.

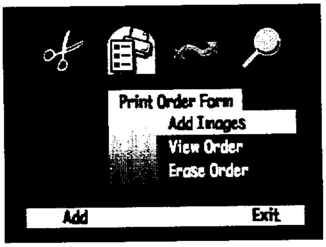


②Press the left soft key to select the soft menu [Mark].
The lower right of the selected picture will be clipped and the soft menu [Unmark] is displayed.

③Repeat the same procedure until all the pictures to be printed are selected.
To cancel a picture that has been chosen, press the left soft key to select the soft menu [Unmark].

Reference

- When selecting pictures, please sort out the pictures by same number of pictures, print on index, and standard print out.
- If the collapsed Timelapse shooting or group shooting is selected, all the pictures collapsed will be printed. If selecting Timelapse shooting and group shooting separately, press the right soft key and select the soft menu [Expand] and expand and select the pictures from among the collapsed group.

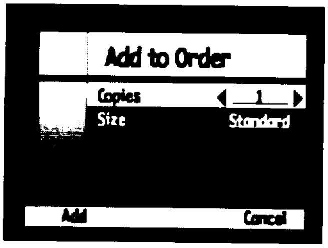


3 Displaying [Add Images] on the screen

①Press the menu button to display the [Edit] menu.

②Press the left key on the four-way controller to display [Print Order Form] and [Add Images] will be displayed in highlighted text.

③Press the left soft key to select the soft menu [Add].
[Add to Order] will be displayed.

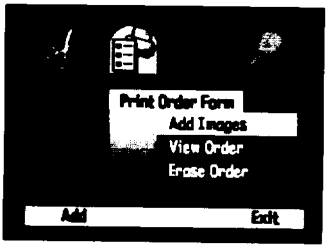


4 Setting the size and the total number of pictures to be printed

1 While displaying [Copies] in highlighted text, press the left and right arrows on the four-way controller to display the total number of pictures to be printed.
The number of pictures can be set from 0 to 10. However, the default is set at 1, and the previous number of pictures will not be displayed.

2 Press the down arrow on the four-way controller to display [Size] in highlighted text.

3 Press the left and right arrows to select whether to print the selected pictures in [Index] format or in [Standard] size.

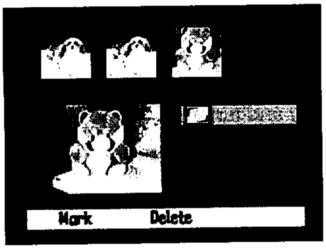


4 Press the left soft key to select the soft menu [Add]. This will return to [Print Order Form] on the menu screen after saving the printer selection information on the memory card.

5 Press the right soft key to select the soft menu [Exit], and it will return to the edit screen.
Repeat the same procedure and select the pictures and the total number of pictures, and the type of print (index print or standard print) for the DPOF compatible printer or a laboratory printing service.

Checking the printer selection information

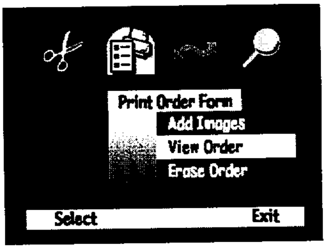
Check the printer selection such as pictures, the total number of pictures, the type of the print (index print or standard print).



1 Displaying the edit screen

①Set the memory card on which the printer selection information is saved.

②Turn on the power supply and turn the mode dial to select review mode (▣).
Pictures saved on the memory card will be displayed on the edit screen.



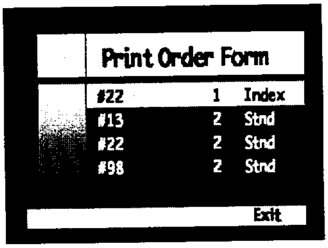
2 Displaying [View Order] screen

①Press the menu button to display [Edit].

②Press the left arrow on the four-way controller to display [Print Order Form].

③Press the down arrow on the four-way controller to display [View Order] in highlighted text.

④Press the left soft key to choose the soft menu [Select]
[Print Order Form] will be displayed.



3 Checking the print setting information

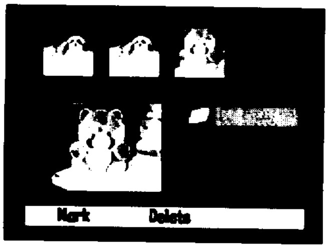
①On the [Print Order Form] screen, the picture No., the total number of pictures and [Standard] and [Index] as the printing method are displayed.
Press the up and down arrows on the four-way controller to check if the picture No., the total number of pictures and [Standard] and [Index] are selected correctly.

②After checking the print setting information, press the right soft key to select the soft menu [Exit] to go back to [Print Order Form].

③Press the right soft key to select the soft menu [Exit], which will return you to the edit screen.

Canceling the printer selection information

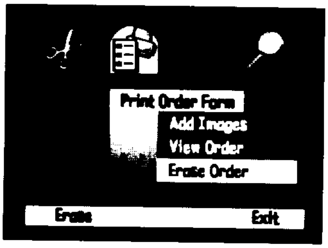
To cancel all the printer selection information saved on the memory card.



1 Displaying the edit screen

① Install the memory card on which the printer selection information is saved.

② Turn on the power supply and turn the mode dial to select review mode (▣).
Pictures saved on the memory card will be displayed on the edit screen.

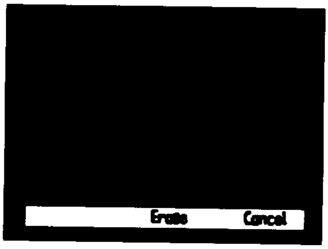


2 Canceling the printer selection

① Press the menu button to display [Edit] menu screen.

② Press the right arrow on the four-way controller to display [Print Order Form].

③ Press the down arrow on the four-way controller twice to display [Erase Order] in highlighted text.



④ Press the left soft key to choose the soft menu [Erase].
The screen for confirming cancellation of the printer selection screen will be displayed.

⑤ Press the middle soft key to select the soft menu [Cancel] in order to cancel the printer selection information.

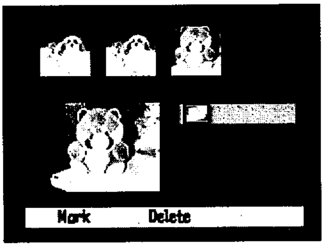
⑥ Press the right soft right key to select the soft menu [Exit] in order to go back to the edit screen.

Printing using a JetSend compatible printer

How to print using a JetSend compatible printer with the memory card in this camera will now be explained.

Reference

- Printers other than JetSend compatible printers cannot be used for printing in the following procedure.
- In this manual, we will explain the procedure for printing, using Photo Smart P1000/P1100 by Hewlett Packard as an example. The actual procedure may differ depending on what printer is used. Please refer to the user's manual attached to the printer, for operation.
- Please be careful to remember that a lot of the battery power will be used up when printing. It is recommended that you use an AC adapter (available separately). However, when connecting an AC adapter, please make sure that you turn off the power supply to this camera.



1 Preparation for printing

①Turn on the power supply of the printer, and insert paper to be printed on.

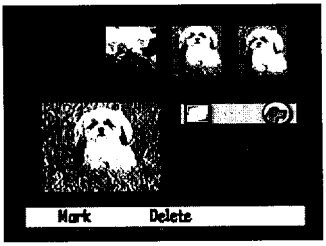
Reference

Please refer to the user's manual attached to the printer using for operation.

②Install the memory card on which pictures to be printed are saved, in this camera.

③Turn on the power supply and set the mode dial to the review mode [Edit Icon].

Pictures saved on the memory card will be displayed on the screen.

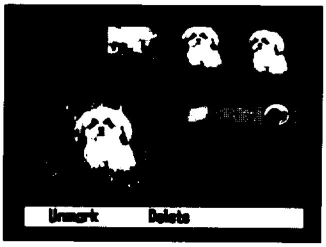


2 Selecting pictures

①Press the left and right arrows on the four-way controller to scroll the pictures until the cursor points to the picture to be printed.

②Press the left soft key to select the soft menu [Mark].

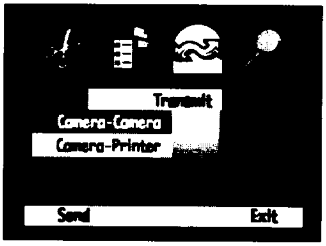
The lower right of the selected picture will be clipped and the soft menu [Unmark] is displayed.



③ Repeat the same procedure until all the pictures to be printed are selected.
Press the left soft key to select the soft menu [Unmark] to cancel a picture that has been selected.

Reference

- When selecting pictures, please sort the pictures by the same number of pictures, print on index, and standard print out.
- If the collapsed Timelapse shooting or group shooting is selected, all the pictures collapsed will be printed. If you want to select pictures within Timelapse shooting and group shooting separately, press the right soft key and select the soft menu [Expand] to expand and select the pictures.

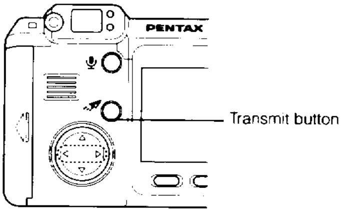


3 Displaying the communication menu

① Press the menu button to display [Edit] menu.
② Press the right arrow on the four-way controller twice to display [Transmit] menu.
③ Press the down arrow on the four-way controller, and [Camera-Printer] will be displayed in highlighted text.

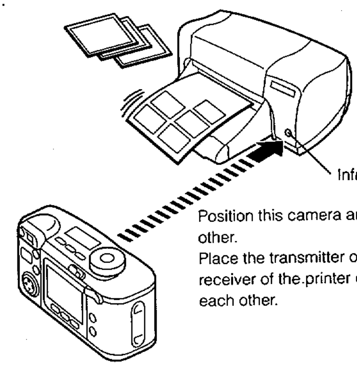
Reference

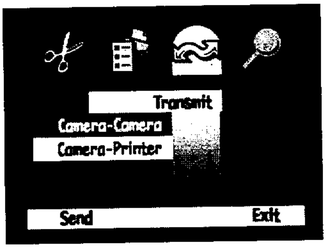
If you press the transmit button on the camera, only the picture where the cursor is placed on the edit screen can be printed.



4 Starting printing

①Place the infrared data transmitter on this camera facing towards the infrared (IR) port of the printer.





②Press the left soft key to select the soft menu [Send].
The message [Connecting...] is displayed on the LCD monitor of the camera.

③Press the [Print] button on the printer.

④Set up a type of paper or size according to the message displayed on the printer's LCD.
Please refer to the user's manual attached to the printer using for operation.

⑤ On determining the printer's configurations, orient the camera's IR data transmitter again to the printer's IR port and press [OK/YES] button.
[Printing] message will be displayed, followed by starting with the printing.

Viewing And Processing The Pictures You Have Taken On A PC

By using a USB cable, this camera and a PC can be connected and pictures you have taken can be edited/printed on the PC.

Before connecting the camera and a PC

A PC which can be connected using the USB cable needs to satisfy the following requirements. Please check before use.

◆ Product requirements

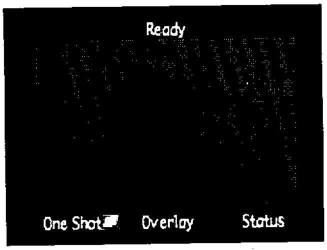
- Required Windows computer with windows98 or 2000 preinstalled having standard USB port or Macintosh computer with Mac OS 8.6 or later installed.

★Important★

- Cannot be used with Windows 95.
- When using Windows 98, please install the USB driver. Please refer to the attached user's manual for the USB Driver Installation Guide and Software EI-S-SW 1 for installation. The dedicated USB cable (EI-I-USB1) is recommended for connecting.

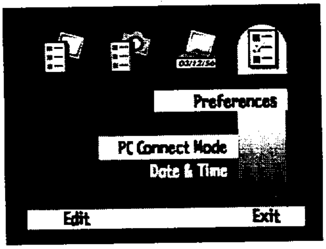
Setting the PC connect mode

When connecting this camera to a PC using a USB cable, set the PC connect mode so that the PC can recognize the camera as one of the disc drives of the PC.



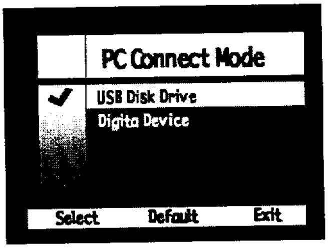
1 To display the capture mode screen

①Turn on the power supply and turn the mode dial to the capture mode (📷).



2 To display [PC Connect Mode] setting screen

①Press the menu button to display the [Capture Settings] menu.
②Press the left arrow on the four-way controller three times to display the [Preferences] menu.
③Press the down arrow on the four-way controller three times to display the [PC Connect Mode] in highlighted text.
④Press the left soft key to select the soft menu [Edit]. The [PC Connect Mode] setting screen is displayed.



3 Setting the PC connect mode

①Press the up and down arrows on the four-way controller to display [USB Disk Drive] or [Digita Device] in highlighted text.
②If you press the left soft key to select the soft menu [Select], PC connection mode is set to [USB Disk Drive] and [Preferences] menu screen will be resumed.
③Press the right soft key to select the soft menu [Exit], and return to the [Capture Settings] screen.

Reference

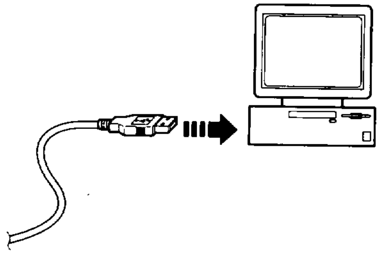
PC connection mode [Digita Device] is not available at present.

Connecting with a PC

How to connect the camera to a PC will now be described.

1 Connect a USB cable to the PC

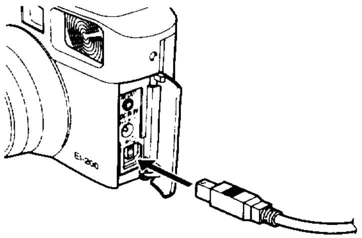
①Turn on the power to the PC.



2 Connect a USB cable to the camera

①Install the memory card, which has pictures to be edited on the PC in the camera.

②Open the memory card cover of the camera and connect a USB connection cable to the USB connector.



③Turn on the power supply and set the mode dial to PC mode [PC].

This camera is recognized by a PC to be one of the disk drives.

Reference

If the camera is not recognized by a PC as one of the disk drives, make sure whether the PC connection mode is set to [USB Disk Drive] (☞ p.125).

Transmitting/Receiving Pictures To/From Other Cameras Having Digita Installed

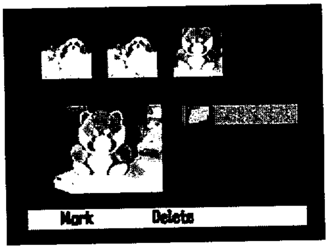
It is possible to transmit/receive pictures to/from other cameras having Digita installed.

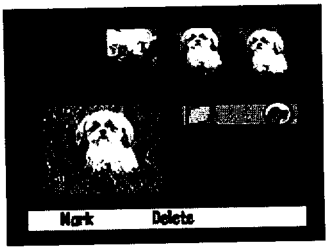
Reference

- It is possible to transmit/receive pictures to/from another EI-200 cameras or other infrared data transmitter compatible cameras having Digita installed.
- Please be careful to remember that a lot of the battery power will be used up when transmitting/receiving. It is recommended that you use an AC adapter (available separately) when transmitting/receiving. However, when connecting an AC adapter, please make sure that you turn off the power supply to this camera.

To transmit pictures

To transmit pictures saved on the memory card to another camera having Digita installed.





1 To prepare for transmission

①Install the memory card on which pictures to be transmitted are saved.

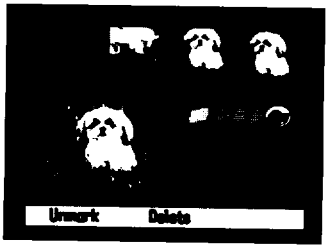
②Turn on the power supply to set the mode dial to the review mode (▣).

The pictures saved on the memory card are displayed on the edit screen.

2 To select pictures

①Press the left and right arrows on the four-way controller to scroll the pictures until the cursor points to the picture to be sent.

Printing Or Other Processes Using Other Devices

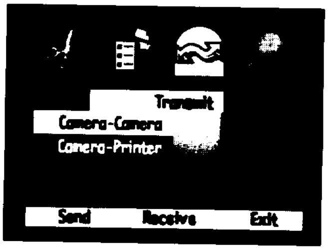


② Press the left soft key to select the soft menu [Mark].
The lower right of the selected picture is clipped and the soft menu [Unmark] is displayed.

③ Repeat the same procedure and select all the pictures to be transmitted.
To cancel a picture once it has been chosen, press the left soft key to select the soft menu [Unmark].

Reference

If collapsed Timelapse shooting or group shooting is selected, all the pictures collapsed will be transmitted. If you want to select pictures within Timelapse shooting or group shooting separately, press the right soft key and select the soft menu [Expand] to expand the pictures and individually select the pictures you want.



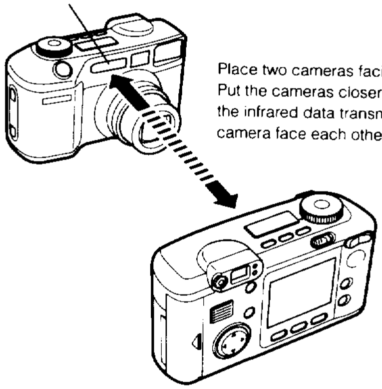
3 To display the [Transmit] menu

① Press the menu button and the [Edit] menu is displayed.

② Press the right arrow on the four-way controller twice to display the [Transmit] menu and [Camera-Camera] is displayed in highlighted text.

4 To start transmission

① Place the infrared data transmitter on the transmitter side facing towards the infrared data transmitter on the receiver side.



②Press the soft left key to select the soft menu [Send].
The message for preparation confirmation on the receiver side is displayed.

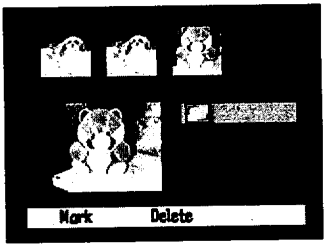
③Make sure that the receiver side is in the receiver mode, then press the left soft key to select the soft menu [Continue].
The [Receiving camera ready?] message is displayed on LCD monitor, and the selected pictures are transmitted.

★Important★
If corrupt data is found in the pictures being transmitted, the transmission is canceled at that point in time. The remaining pictures will not be transmitted.

To receive pictures

To receive pictures transmitted from other Digita equipped cameras.

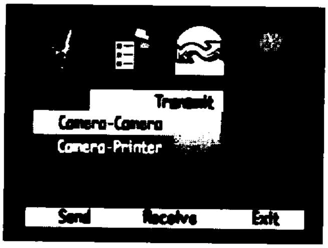
Reference
Please make sure that the memory card has enough capacity left to save pictures that are going to be transmitted. If there is not enough capacity left on the memory card, it is not possible to receive pictures.



1 To prepare to receive pictures

①Install a memory card which has enough capacity left to save the pictures that are to be received.

②Turn on the power supply and set the mode dial to the review mode (▣).
The pictures saved on the memory card are displayed on the edit screen.
The received pictures are saved after the last picture saved in the memory card, in shooting date order.

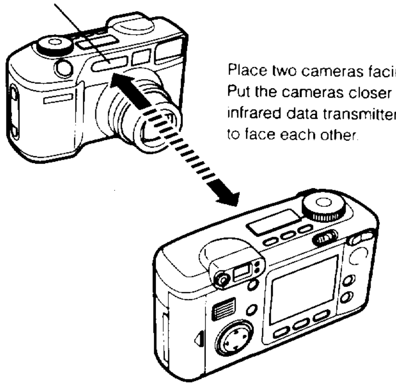


2 To start receiving

①Press the menu button and the [Edit] menu is displayed.

②Press the left arrow on the four-way controller twice and the [Transmit] menu is displayed. [Camera-Camera] is then displayed in highlighted text.

③Place the infrared data transmitter on the receiver side facing towards the infrared data transmitter on the transmitter side.



④Make sure that the transmitter side is in the transmission waiting mode, then press the middle soft key to select the soft menu [Receive].

The [Waiting for connection...] message is displayed on the LCD monitor.

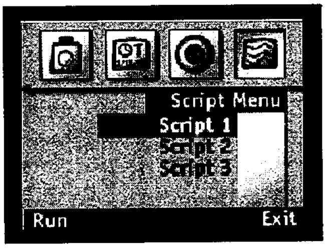
⑤Press the left soft key on the transmitter side to select the soft menu [Continue], and then the pictures will be received.

Running A Script

Running a script saved in the memory card.

Reference

Under the Digita operating environment, a script program can be made based on Digita Script language. It is possible to make a series of operations automatic and expand the functions by running the script program saved in the memory card on the camera.



1 Displaying the script menus

①Install the memory card holding the script program.

②Turn on the power supply and select a mode for operating the program by turning the mode dial.

③If the menu button is pressed, the menu screen will be displayed.

④Press the right arrow on the four-way controller to display the script menu.

2 Running the script

①Press the up and down arrows on the four-way controller to display the script you wish to run in highlighted text.

②Press the left soft key to select the soft menu [Start]. The selected script will be run.

Reference

To cancel running of the script, press the middle soft key to select the soft menu [Stop Script].

Appendix

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Error/Alert Message Table 134

Specifications Table 136

Error/Alert Message Table

When the error message table is displayed on the LCD monitor or in Live view while using the camera, the following causes might be given. Please follow the fault finding recommendations.

Group names beginning with BR or TL are reserved. Would you like to enter a new group name?	You are trying to register a group name beginning with BR or TL when creating a new group. Please select the soft menu [Create New] and register a group name beginning with first letters other than BR and TL.
Memory Card Full	There is not enough memory to save the number of images designated in the timelapse mode. Please replace with a new memory card or delete unwanted pictures.
No card in camera	The camera does not have a memory card installed. Install a memory card in the camera.
No Memory Card	The camera does not have a memory card installed. Install a memory card in the camera.
No images in camera.	There are no images that can be displayed on the edit screen saved in the memory card.
No images matched search criteria.	A search was executed in review mode, but no images matching the designated date or category could be found. Please select the soft menu [Find] and designate searching items again.
Unable to receive all of the images.	When sending and receiving images between two cameras, images can not be received because one of the cameras was not facing the right way. Set the infrared data transmitters of both cameras to face each other and try sending and receiving again.
Unable to send all of the images.	While sending and receiving images between two cameras, images can not be sent because one of the cameras is facing the wrong way. Set the infrared data transmitter of both cameras to face each other and try sending and receiving images again.
Too Much Light.	You are trying to take a picture in conditions that are extremely bright without using the flash. Please set the automatic flash.
Low Light.	You are trying to take a picture in conditions that are too dark without using the flash. Please set the automatic flash mode or one of the flash modes.

Message	[illegible]
Card requires formatting. Formatting will delete everything on the memory card.	The memory card installed is formatted for use with a personal computer. It is necessary to format the memory card to be used in the camera. If the soft menu [Format] is selected, it will delete date in the memory card and perform formatting.
Camera could not display this image.	The data, which was edited using image editing software of a personal computer, is saved in the memory card. Data edited on a personal computer can not be displayed in the presentation mode.
This group name already exists. Do you wish to enter a new group name or continue with the current group name?	When you create a new group, you are trying to register a name which already exists. Select the soft menu [Create New] to register a group with a different name.
No Thumbnail.	In the memory card there is data saved which was edited using image editing software a personal computer. Data edited on a personal computer can not be displayed in the review mode.
The receiving camera does not have enough memory to receive images.	There is not enough memory in the receiving camera to receive the number of images when sending and receiving images between two cameras. Please delete unwanted pictures or replace with a new memory card.
Camera did not establish connection. Be sure IR ports are correctly aligned and try again.	While sending and receiving images between two cameras, images could not be sent and received because one of camera was facing the wrong way. Set the infrared data transmitter of both cameras to face each other and try sending and receiving images again.
Transfer interrupted. Some images were not sent.	While sending images to print with a printer, the images could not be sent correctly because the camera became misaligned with respect to the printer. Set the infrared data transmitter of the camera to face the printer and try sending images again.
Battery depleted.	There is only a little battery power remaining, please replace with new batteries.
Battery Low.	There is no battery power remaining, please replace with new batteries.

Specifications Table

●Type	Compact-type digital still camera with built-in zoom lens, autofocus, auto exposure and auto flash.
●Sensor	2.11 megapixel (total pixels), 1/2.7 inch, interline transfer, interlace scan, CCD with a primary color filter
●Color Depth	10 bits x 3 colors.
●Recording Pixels	1600 x 1200 pixels (Full), 800 x 600 pixels (1/4).
●Sensitivity	Auto, fixed (equivalent to ISO100, 200).
●File Format	Exif 2.1(JPEG), TIFF(uncompressed), DPOF.
●Quality Level	"Good", "Better", "Best" and uncompressed TIFF.
●Storage Media	CompactFlash™ (CF™) card Type I and Type II, not compatible with Microdrive.
●Image Storage Capacity	Exposure capacity when using 8MB CF card.

Recording Pixels	Good	Better	Best	TIFF
Full	approx. 27	14	7	1
1/4	approx. 82	50	28	5

●Lens	Pentax power zoom 5.2mm-16.5mm (Equivalent to 34mm-108mm in 35mm format) F/2.4-F/4.0, 9 elements in 8 groups (2 aspherical elements).
●Focusing System	
Type	TTL contrast detection autofocus system. Manual focus (From 0.1m (0.33ft) to infinity) /infinity-landscape mode available.
Autofocusing Range	Normal: 0.5m (1.64ft) to infinity. Macro: 0.1m (0.33ft) to 0.6m (1.97ft).
●Exposure Control	
Exposure Range	(1) Auto-exposure, Auto ISO speed, Auto or Daylight-Sync flash mode Wide: EV8.5 (ISO 200 equivalency) - EV16.5 (ISO 100 equivalency) Tele: EV11 (ISO 200 equivalency) - EV18 (ISO 100 equivalency) (2) Auto-exposure, Auto ISO speed, Slow-Shutter-Speed Mode or Slow-Speed-Flash Sync Mode Wide: EV3 (ISO 200 equivalency) - EV16.5 (ISO 100 equivalency) Tele: EV3 (ISO 200 equivalency) - EV18 (ISO 100 equivalency)
Metering System	TTL metering. Choice of Average metering, Center-weighted metering and Spot metering.
Exposure Mode	Programmed AE(Auto), Picture Modes (Portrait, Landscape, Action), Aperture-Priority AE and Shutter-Priority AE.
Exposure Compensation	±2 EV (1/2 steps).
●Shutter	Programmed AE electronic lens shutter with CCD electronic shutter. Shutter speeds: approx. 1/1000 sec. to 4 sec.
●Drive Mode	One shot, Continuous, Timelapse, Self-timer and Remote control.

●Flash		Built-in auto zoom flash. Automatic discharge under low lighting conditions in auto modes. Flash-on and flash-off modes. "Red-eye" reduction function employs a single discharge. Slow-shutter sync available.
	Flash effective range	0.3m (0.98ft.) – 5.4m (18ft.) at 5.2mm 0.3m (0.98ft.) – 3.7m (12ft.) at 16.5mm
	Flash Recycling Time	approx. 5 sec. with batteries, 3 sec. with AC adapter
●White Balance		Auto, Daylight, Tungsten Light and Fluorescent Light.
●Color Modes		Color, Black & White and Sepia.
●Digital Zoom		Shooting 1.2X/1.5X/2X, Playback 2X.
●Optical Viewfinder		Actual-image zoom viewfinder with diopter adjustment from $-3m^{-1}$ to $+1m^{-1}$.
●LCD Monitor		2 inch, low temperature poly-silicon TFT color LCD with 130,338 pixels. Adjustable brightness control.
●LCD Panel		Battery level, flash modes, exposure counter, self-timer, remote control, Macro mode and Infinity-landscape mode.
●Sound Recording		Sound recording and playback possible. 45 sec of recording per image.
●Presentation and Review Mode		Images can also be played back, edited, and deleted.
●Auto Image Rotation		Automatic image rotation on TVs, computers and cameras.
●Interfaces		AV output terminal (NTSC/PAL), USB terminal, IrDA1.1 with JetSend and Digital™ protocols and DC input terminal.
●Power sources		4 AA lithium, Ni-MH or alkaline batteries or AC adapter (optional).
●Dimensions		127.5 (W) x 71.5 (H) x 56.5 (D) mm (5.0 x 2.8 x 2.2 inch) (Projecting operational parts not included).
●Weight		300 g (10.6 oz.) without batteries and CF card.

WARRANTY POLICY

All Pentax cameras purchased through authorized bona fide photographic distribution channels are guaranteed against defects of material or workmanship for a period of twelve months from date of purchase. Service will be rendered, and defective parts will be replaced without cost to you within that period, provided the equipment does not show evidence of impact, sand or liquid damage, mishandling, tampering, battery or chemical corrosion, operation contrary to operating instructions, or modification by an unauthorized repair shop. The manufacturer or its authorized representatives shall not be liable for any repair or alterations except those made with its written consent and shall not be liable for damages from delay or loss of use or from other indirect or consequential damages of any kind, whether caused by defective material or workmanship or otherwise; and it is expressly agreed that the liability of the manufacturer or its representatives under all guarantees or warranties, whether expressed or implied, is strictly limited to the replacement of parts as herein before provided. No refunds will be made on repairs performed by non-authorized Pentax service facilities.

Procedure During 12-month Warranty Period

Any Pentax which proves defective during the 12-month warranty period should be returned to the dealer from whom you purchased the equipment or to the manufacturer. If there is no representative of the manufacturer in your country, send the equipment to the manufacturer, with postage prepaid. In this case, it will take a considerable length of time before the equipment can be returned to you owing to the complicated customs procedures required. If the equipment is covered by warranty, repairs will be made and parts replaced free of charge, and the equipment will be returned to you upon completion of servicing. If the equipment is not covered by warranty, regular charges of the manufacturer or of its representatives will apply. Shipping charges are to be borne by the owner. If your Pentax was purchased outside of the country where you wish to have it serviced during the warranty period, regular handling and servicing fees may be charged by the manufacturer's representatives in that country. Notwithstanding this, your Pentax returned to the manufacturer will be serviced free of charge according to this procedure and warranty policy.

In any case, however, shipping charges and customs clearance fees are to be borne by the sender. To prove the date of your purchase when required, please keep the receipts or bills covering the purchase of your equipment for at least a year. Before sending your equipment for servicing, please make sure that you are sending it to the manufacturer's authorized representatives or their approved repair shops, unless you are sending it directly to the manufacturer. Always obtain a quotation for the service charge, and only after you accept the quoted service charge, instruct the service station to proceed with the servicing.

The local warranty policies available from Pentax distributors in some countries can supersede this warranty policy. Therefore, we recommend that you review the warranty card supplied with your product at the time of purchase, or contact the PENTAX distributor in your country for more information and to receive a copy of the warranty policy.

For customers in the USA

STATEMENT OF FCC COMPLIANCE

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.
Changes or modifications not approved by the party responsible for compliance could void the user's authority to operate the equipment.
This equipment has been tested and found comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will occur in a particular installation. If this equipment does not cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

For customers in Canada

This Class B digital apparatus meets all requirements of the Canadian Interference - Causing Equipment Regulations.

Pour les utilisateurs an Canada

Cet appareil numérique de la classe B respecte toutes les exigences du Règlement sur le matériel brouilleur du Canada.

Asahi Optical Co., Ltd. 11-1, Nagata-cho 1-chome, Chiyoda-ku,Tokyo 100, JAPAN
Pentax Europe n.v. Weiveldlaan 3-5, 1930 Zaventem, BELGIUM
Pentax GmbH. Julius-Vosseler-Strasse, 104, D-22527 Hamburg, GERMANY
Pentax U.K. Limited. Pentax House, Heron Drive, Langley, Slough SL3 8PN, U.K.
Pentax France S.A. Z.I. Argenteuil, 12/14, rue Jean Poulmarch, 95106 Argenteuil, FRANCE
Pentax Benelux B.V. (for Netherlands) Spinveld 25, 4815 HR Breda, NETHERLANDS
(for Belgium & Luxemburg) Weiveldlaan 3-5, 1930 Zaventem, BELGIUM
Pentax (Schweiz) AG Industriestrasse 2, 8305 Dietlikon, SWITZERLAND
Pentax Scandinavia AB Falhagsleden 57, 75127 Uppsala, SWEDEN
Pentax Corporation 35 Inverness Drive East, Englewood, Colorado 80112, U.S.A.
Pentax Canada Inc. 3131 Universal Drive, Mississauga, Ontario L4X 2E5, CANADA

http://www.digital.pentax.co.jp

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